

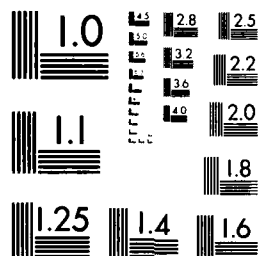
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THULE AB GREENLAND REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 12 MAY 87
USAFETAC/DS-87/824 F/C 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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| DTIC - P&W | <input type="checkbox"/> |
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STATION NAME: THULE AB GREENLAND

STATION NUMBER: 042020

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: NOV 51 - DEC 86

TIME CONVERSION LST TO GMT: -4

CALL ID: BGTL

HOURS SUMMARIZED: 0000-2300 LST

DATE PRODUCED: 12 MAY 1987

GL-4/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-93-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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STATION HISTORY

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

| STATION NO ON SUMMARY | | STATION NAME | | LATITUDE | | LONGITUDE | | FIELD ELEV (FT) | | CALL SIGN | | WMO NUMBER | |
|--|------------------------------|--------------------|------------------|----------|----------|-----------|---------------------|-----------------|-------------|-----------|--|------------|--|
| 042020 | | THULE AB GREENLAND | | N 76 32 | | W 068 45 | | 251 | | BGTL | | 04202 | |
| STATION LOCATION AND INSTRUMENTATION HISTORY | | | | | | | | | | | | | |
| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY | | | | |
| | | | FROM | TO | | | FIELD (FT) | HT. BARO. | | | | | |
| 1 | Thule AB Greenland | AB | Jan 52 | Mar 55 | N 76 33 | W 068 48 | 261 | 193 ft | 24 | | | | |
| 2 | Same | Same | Apr 55 | Mar 58 | Same | Same | 251 | Same | 24 | | | | |
| 3 | Same | Same | Apr 58 | Dec 76 | N 76 32 | W 068 45 | Same | Same | 24 | | | | |
| 4 | Same | Same | Jan 77 | Dec 79 | Same | Same | Same | Same | 24 | | | | |
| 5 | Same | Same | Jan 80 | Mar 81 | Same | Same | Same | Same | 24 | | | | |
| 6 | Same | Same | Apr 81 | Dec 86 | Same | Same | Same | Same | 24 | | | | |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------|----------------|--|---------------------|------------------|-----------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1 | Jan 52 | Located on roof of weather station | AN/GMQ-1 | Esterline | 30 ft | |
| 2 | Apr 54 | 1. Located in the forecasting section | Same | Angus | 15 ft | |
| | | 2. Located in the observing section | Same | ML-103 | Same | |
| 3 | Apr 55 | 1. Located on roof of weather station | AN/GMQ-1 | RO-2 | 19 ft | |
| | | 2. Located in the observing section | AN/GMQ-1 | Same | 15 ft | |
| 4 | Nov 55 | 1. Located 2000 ft S-SW of weather station, adjacent to main runway. | AN/GMQ-1 | Same | 19 ft | |

USAFETAC

FORM
NOV 73

0-19 (OLA)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|---|------------------------|---------------------|--------------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 5 | Apr 58 | 1. Located 1750 ft from W end of rnwy 083°-263° and 500 ft N of rnwy | Same | Same | Same | |
| 6 | Apr 60 | 1. Located 1750 ft from W end of rnwy 160°-340° and 500 ft N of rnwy. | AN/GMQ-11 | Same | 25 ft | |
| 7 | Nov 60 | 2. Located on roof of base wea stn | AN/GMQ-11 | Same | 13 ft | |
| 8 | Dec 61 | 1. Located 1150 ft from W end of rnwy 160°-340° and 500 ft N of rnwy | AN/GMQ-11 | Same | 25 ft | |
| 9 | Apr 62 | 2. Located on roof of base wea stn | AN/GMQ-11 | Same | 13 ft | |
| 10 | Apr 67 | 1. Same location as above. | Same | Same | Same | |
| 11 | Apr 68 | 2. Located on the approach end of rnwy 34 & 500 ft N of centerline. | Same | Same | Same | |
| 12 | Feb 69 | 1. Located 1150 ft from W end of rnwy 16. | Same | Same | Same | |
| 13 | Jan 70 | 2. Same | Same | Same | Same | |
| 14 | Jan 71 | 1. Located 1150 ft down rnwy 16 from its approach end, and 500 ft E of rnwy centerline. | Same | Same | Same | |
| 15 | Dec 79 | 2. Located 900 ft down rnwy 34 from its approach end and 500 ft W of centerline. | Same | Same | Same | |
| | | 1. Located 1000 ft down rnwy 16 from its approach end, and 500 ft E of rnwy centerline. | Same | Same | Same | |
| | | 2. Located 850 ft down rnwy 34 from its approach end, and 500 ft W of centerline. | Same | Same | Same | |
| | | 1. Same | AN/GMQ-20 | Same | Same | |
| | | 2. Same | Same | RO-362 | Same | |
| | | 1. Located 100 ft down rnwy 16 from its approach end and 500 ft E of rnwy centerline. | Same | Same | Same | |
| | | 2. Located 850 ft down rnwy 34 from its approach end & 500 ft E of rnwy centerline. | Same | Same | Same | |
| | | 1. Located 1000 ft down rnwy 16 from its approach and 560 ft E of rnwy centerline. | Same | Same | Same | |
| | | 2. Located 650 ft down rnwy 34 from its approach end & 500 ft W of rnwy centerline. | Same | Same | Same | |
| | | 1. Same | Same | Same | Same | |
| | | 2. Same | Same | Same | Same | |

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1100 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE

2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN

| HOURS (LST) | TSTMS | RAIN E/OP DRIZZLE | FRZING RAIN E/OP DRIZZLE | SNOW E/OP SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OP HAZE | BLOWING SNOW | DUST E/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | 19.6 | | 19.6 | .4 | | 3.5 | | 4.0 | 930 |
| 03-05 | | | | 19.0 | | 19.0 | .5 | | 2.9 | | 3.4 | 930 |
| 06-08 | | .2 | .1 | 20.3 | | 20.5 | .8 | | 4.5 | | 5.3 | 930 |
| 09-11 | | .3 | | 17.4 | | 17.7 | .8 | | 4.4 | | 5.2 | 930 |
| 12-14 | | .4 | | 16.5 | | 16.9 | .9 | .1 | 4.5 | | 5.5 | 930 |
| 15-17 | | | | 18.8 | | 18.8 | .5 | | 3.8 | | 4.3 | 930 |
| 18-20 | | | | 17.0 | | 17.0 | .8 | .1 | 4.3 | .1 | 5.2 | 930 |
| 21-23 | | | | 16.9 | | 16.9 | .4 | | 4.8 | | 5.3 | 930 |
| TOTALS | | .1 | .0 | 18.2 | | 18.3 | .6 | .0 | 4.1 | .0 | 4.8 | 7440 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB

| HOURS (LST) | TSTMS | RAIN E/OP DRIZZLE | FRZING RAIN E/OP DRIZZLE | SNOW E/OP SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OP HAZE | BLOWING SNOW | DUST E/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | 18.6 | | 18.6 | .7 | | 2.7 | | 3.4 | 846 |
| 03-05 | | | | 16.1 | | 16.1 | 1.4 | | 2.8 | | 4.3 | 846 |
| 06-08 | | | | 19.7 | | 19.7 | .8 | | 2.4 | | 3.2 | 846 |
| 09-11 | | | | 19.6 | | 19.6 | 2.2 | | 2.4 | | 4.6 | 846 |
| 12-14 | | | | 15.6 | | 15.6 | 2.5 | .2 | 4.0 | | 6.7 | 846 |
| 15-17 | | | | 17.0 | | 17.0 | 1.5 | .4 | 4.4 | | 6.3 | 846 |
| 18-20 | | | | 19.3 | | 19.3 | .7 | | 3.4 | | 4.1 | 846 |
| 21-23 | | | | 19.9 | | 19.9 | .2 | | 3.2 | | 3.4 | 846 |
| TOTALS | | | | 18.2 | | 18.2 | 1.3 | .1 | 3.2 | | 4.5 | 6768 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/CHST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | 20.3 | | 20.3 | .2 | | 7.3 | | 7.5 | 970 |
| 03-05 | | | | 19.4 | | 19.4 | .2 | | 7.1 | | 7.3 | 930 |
| 06-08 | | | | 19.5 | | 19.5 | .1 | | 5.8 | | 5.9 | 970 |
| 09-11 | | | | 18.0 | | 18.0 | .4 | .1 | 5.7 | | 6.2 | 970 |
| 12-14 | .1 | | | 15.2 | .1 | 15.2 | .9 | | 4.9 | | 5.4 | 970 |
| 15-17 | | | | 14.9 | | 14.9 | .4 | | 7.8 | | 8.3 | 970 |
| 18-20 | | | | 13.5 | | 13.5 | .3 | | 8.0 | | 8.3 | 970 |
| 21-23 | | | | 17.7 | | 17.7 | .1 | .1 | 7.4 | | 7.6 | 970 |
| TOTALS | .0 | | | 17.3 | .0 | 17.3 | .3 | .0 | 6.9 | | 7.1 | 7440 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/CHST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | 18.4 | | 18.4 | .9 | | 3.7 | | 4.6 | 900 |
| 03-05 | | | | 16.6 | | 16.6 | .9 | | 3.9 | | 4.8 | 900 |
| 06-08 | | | | 16.8 | | 16.8 | 1.1 | .1 | 4.1 | | 5.3 | 970 |
| 09-11 | | | | 19.6 | | 19.6 | .4 | | 3.3 | | 3.8 | 900 |
| 12-14 | | | | 18.9 | | 18.9 | .3 | | 2.8 | | 3.1 | 900 |
| 15-17 | | | | 17.6 | | 17.6 | .3 | | 3.7 | | 4.0 | 900 |
| 18-20 | | | .1 | 16.6 | | 16.7 | .1 | | 3.4 | .1 | 3.7 | 900 |
| 21-23 | | | | 15.4 | | 15.4 | .2 | .1 | 3.2 | | 3.6 | 900 |
| TOTALS | | | .0 | 17.5 | | 17.5 | .5 | .0 | 3.5 | .0 | 4.1 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY

| HOURS (LST) | TSTMS | RAIN L/DR ORIZZLE | FRZING RAIN L/DR ORIZZLE | SNOW L/DR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE L/DR HAZE | BLOWING SNOW | DUST L/DR SAND | % OBS W/CRST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | .8 | | 12.4 | | 13.1 | 2.5 | | .9 | | 3.3 | 930 |
| 03-05 | | .9 | | 11.0 | | 11.7 | 2.5 | | .9 | | 3.3 | 930 |
| 06-08 | | .5 | | 12.9 | | 13.4 | 1.9 | | .8 | | 2.7 | 930 |
| 09-11 | | .2 | | 13.9 | | 14.1 | 1.7 | | .4 | | 2.2 | 930 |
| 12-14 | | .1 | | 11.0 | | 11.1 | 1.6 | | .8 | | 2.4 | 930 |
| 15-17 | | .2 | | 12.6 | | 12.8 | 1.7 | .2 | .1 | | 2.0 | 930 |
| 18-20 | | .2 | | 13.8 | | 14.0 | 1.5 | | .2 | .1 | 1.8 | 930 |
| 21-23 | | .3 | | 12.6 | | 12.9 | 2.3 | | .6 | | 2.9 | 930 |
| TOTALS | | .4 | | 12.5 | | 12.9 | 2.0 | .0 | .6 | .0 | 2.6 | 7440 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN

| HOURS (LST) | TSTMS | RAIN L/DR ORIZZLE | FRZING RAIN L/DR ORIZZLE | SNOW L/DR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE L/DR HAZE | BLOWING SNOW | DUST L/DR SAND | % OBS W/CRST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | 2.4 | | 9.9 | | 11.8 | 10.3 | | .3 | | 10.7 | 900 |
| 03-05 | | 3.1 | | 10.1 | | 12.8 | 11.6 | | .1 | | 11.7 | 900 |
| 06-08 | | 2.4 | .1 | 11.7 | | 13.4 | 11.4 | | .3 | | 11.3 | 900 |
| 09-11 | | 2.3 | | 10.0 | | 11.6 | 7.1 | .2 | .2 | .1 | 7.7 | 900 |
| 12-14 | | 3.2 | | 7.6 | | 10.2 | 5.2 | .3 | | | 5.6 | 900 |
| 15-17 | | 3.6 | | 8.2 | .1 | 10.9 | 5.6 | .3 | | | 5.9 | 900 |
| 18-20 | | 3.0 | | 8.2 | | 10.2 | 7.6 | .3 | | | 7.9 | 900 |
| 21-23 | | 1.7 | | 9.0 | | 10.0 | 9.9 | | | | 9.9 | 900 |
| TOTALS | | 2.7 | .0 | 9.3 | .0 | 11.4 | 9.6 | .1 | .1 | .0 | 8.9 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | FLOWING SNOW | DUST 6/0R SAND | % OBS W/CHST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | 10.7 | | 2.2 | | 12.1 | 9.0 | .1 | | .2 | 9.3 | 924 |
| 03-05 | | 13.1 | | 3.4 | | 14.6 | 9.2 | .1 | | | 9.3 | 924 |
| 06-08 | | 10.5 | | 2.5 | | 11.6 | 8.7 | | .1 | .1 | 9.0 | 926 |
| 09-11 | | 8.8 | | 1.5 | | 9.5 | 7.0 | .1 | | .3 | 7.4 | 930 |
| 12-14 | | 9.5 | | 1.2 | | 10.1 | 5.1 | .3 | | .2 | 5.6 | 929 |
| 15-17 | | 9.3 | | 1.5 | | 9.8 | 4.3 | .4 | | | 4.7 | 927 |
| 18-20 | | 10.3 | | 1.4 | | 11.2 | 5.4 | .4 | | | 5.8 | 926 |
| 21-23 | | 12.0 | | 2.4 | | 13.3 | 7.7 | .5 | | | 8.2 | 924 |
| TOTALS | | 10.5 | | 2.0 | | 11.5 | 7.1 | .2 | .0 | .1 | 7.4 | 7411 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | FLOWING SNOW | DUST 6/0R SAND | % OBS W/CHST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | 12.8 | | 5.7 | | 16.8 | 10.1 | .3 | | | 10.4 | 930 |
| 03-05 | | 12.5 | .1 | 5.5 | | 17.0 | 10.8 | .1 | | | 10.9 | 930 |
| 06-08 | | 11.5 | | 6.2 | | 16.1 | 10.8 | .5 | | | 11.3 | 930 |
| 09-11 | .1 | 9.0 | | 5.2 | | 13.4 | 7.6 | .6 | .2 | .2 | 8.7 | 930 |
| 12-14 | | 9.5 | | 4.3 | | 13.2 | 4.2 | .2 | .2 | .1 | 4.7 | 930 |
| 15-17 | | 6.2 | | 4.2 | .1 | 11.2 | 5.1 | .4 | | .2 | 5.7 | 930 |
| 18-20 | | 10.6 | | 4.5 | .3 | 14.4 | 6.6 | .0 | | | 7.2 | 930 |
| 21-23 | | 12.9 | | 5.3 | .1 | 16.8 | 9.1 | .4 | .1 | | 9.7 | 930 |
| TOTALS | .1 | 10.7 | .0 | 5.1 | .1 | 14.9 | 8.3 | .4 | .1 | .1 | 8.6 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP

| HOURS (LST) | TSTMS | RAIN G/10R GRIZZLE | FRZING RAIN G/10R DRIZZLE | SNOW G/10R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE G/10R HAZE | BLOWING SNOW | DUST G/10R SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|--------------------------|------------------------------------|------------------------|------|-------------------------|-----|------------------------|-----------------|-----------------------|---------------------------------|--------------|
| 00-02 | | 1.0 | | 12.8 | | 13.8 | 2.2 | | .8 | | 3.0 | 900 |
| 03-05 | | 1.3 | | 13.9 | | 15.2 | 2.0 | | .7 | | 2.7 | 900 |
| 06-08 | | 2.2 | | 14.3 | | 16.4 | .9 | | .9 | .3 | 2.1 | 900 |
| 09-11 | | 1.9 | .1 | 13.1 | | 15.0 | .4 | | .7 | .6 | 1.7 | 900 |
| 12-14 | | 1.9 | | 13.8 | | 15.2 | .6 | .1 | .3 | .4 | 1.4 | 900 |
| 15-17 | | 2.4 | | 13.7 | | 15.6 | .4 | .1 | .9 | | 1.4 | 900 |
| 18-20 | | 1.8 | | 12.8 | | 14.2 | 1.2 | | 1.3 | | 2.6 | 900 |
| 21-23 | | .9 | | 12.2 | | 13.0 | 2.2 | | 1.6 | | 3.8 | 900 |
| TOTALS | | 1.7 | .0 | 13.3 | | 14.8 | 1.2 | .0 | .9 | .2 | 2.3 | 7200 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT

| HOURS (LST) | TSTMS | RAIN G/10R GRIZZLE | FRZING RAIN G/10R DRIZZLE | SNOW G/10R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE G/10R HAZE | BLOWING SNOW | DUST G/10R SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|--------------------------|------------------------------------|------------------------|------|-------------------------|-----|------------------------|-----------------|-----------------------|---------------------------------|--------------|
| 00-02 | | .2 | | 19.7 | | 19.7 | .3 | | 2.9 | | 3.2 | 930 |
| 03-05 | | .2 | | 20.3 | | 20.3 | .8 | | 2.8 | | 3.5 | 930 |
| 06-08 | | .2 | | 21.1 | | 21.2 | .5 | | 3.0 | | 3.5 | 930 |
| 09-11 | | .2 | | 20.0 | | 20.1 | .5 | | 2.6 | | 3.1 | 930 |
| 12-14 | | | | 21.6 | | 21.6 | .1 | | 2.0 | | 2.2 | 930 |
| 15-17 | | | | 20.2 | | 20.2 | .3 | | 1.9 | | 2.3 | 930 |
| 18-20 | | .3 | | 18.0 | | 18.3 | .5 | | 2.9 | | 3.3 | 930 |
| 21-23 | | .1 | .1 | 21.4 | | 21.5 | .2 | | 3.1 | | 3.3 | 930 |
| TOTALS | | .2 | .0 | 20.3 | | 20.4 | .4 | | 2.6 | | 3.1 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | .2 | | 20.4 | | 20.7 | | .1 | 4.3 | | 4.4 | 900 |
| 03-05 | | .1 | | 20.3 | | 20.4 | .1 | | 4.3 | | 4.4 | 900 |
| 06-08 | | | | 20.8 | | 20.8 | | | 4.8 | | 4.8 | 900 |
| 09-11 | | | | 20.3 | | 20.3 | | | 4.8 | | 4.8 | 900 |
| 12-14 | | | | 18.1 | | 18.1 | | | 3.0 | | 3.0 | 900 |
| 15-17 | | .1 | .1 | 21.3 | | 21.4 | .2 | | 3.2 | | 3.4 | 900 |
| 18-20 | | .1 | | 21.7 | | 21.7 | .6 | | 3.6 | | 4.1 | 900 |
| 21-23 | | | | 23.9 | | 23.9 | .1 | | 4.1 | | 4.2 | 900 |
| TOTALS | | .1 | .0 | 20.9 | | 20.9 | .1 | .0 | 4.0 | | 4.1 | 7200 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | .5 | | 21.5 | | 21.5 | .8 | .2 | 4.7 | .1 | 5.8 | 930 |
| 03-05 | | .5 | | 19.6 | | 19.6 | .1 | .2 | 5.2 | | 5.5 | 930 |
| 06-08 | | .3 | | 20.2 | | 20.2 | | | 4.3 | | 4.3 | 930 |
| 09-11 | | .3 | | 23.8 | | 23.8 | .2 | | 3.4 | | 3.7 | 930 |
| 12-14 | | .3 | | 24.5 | | 24.7 | | | 2.5 | | 2.5 | 930 |
| 15-17 | | .3 | | 23.9 | | 24.2 | .2 | | 2.8 | | 3.0 | 930 |
| 18-20 | | .3 | .1 | 23.0 | | 23.1 | .3 | | 2.8 | | 3.1 | 929 |
| 21-23 | | .3 | | 24.4 | | 24.4 | .6 | | 5.0 | | 5.6 | 927 |
| TOTALS | | .4 | .0 | 22.6 | | 22.7 | .3 | .1 | 3.8 | .0 | 4.2 | 7436 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: ALL

| HOURS (LST) | 1 | 1STMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0P DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-----|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| JAN | ALL | | .1 | .0 | 18.2 | | 18.3 | .6 | .0 | 4.1 | .0 | 4.8 | 7440 |
| FEB | | | | | 18.2 | | 16.2 | 1.3 | .1 | 3.2 | | 4.5 | 6768 |
| MAR | | .0 | | | 17.3 | .0 | 17.3 | .3 | .0 | 6.8 | | 7.1 | 7440 |
| APR | | | | .0 | 17.5 | | 17.5 | .5 | .0 | 3.5 | .0 | 4.1 | 7200 |
| MAY | | | .4 | | 12.5 | | 12.9 | 2.0 | .0 | .6 | .0 | 2.6 | 7440 |
| JUN | | | 2.7 | .0 | 9.3 | .0 | 11.4 | 8.6 | .1 | .1 | .0 | 8.9 | 7200 |
| JUL | | | 10.5 | | 2.0 | | 11.5 | 7.1 | .2 | .0 | .1 | 7.4 | 7410 |
| AUG | | .0 | 10.9 | .0 | 5.1 | .1 | 14.9 | 8.0 | .4 | .1 | .1 | 8.6 | 7440 |
| SEP | | | 1.7 | .0 | 13.3 | | 14.8 | 1.2 | .0 | .9 | .2 | 2.3 | 7200 |
| OCT | | | .2 | .0 | 20.3 | | 20.4 | .4 | | 2.6 | | 3.1 | 7440 |
| NOV | | | .1 | .0 | 20.9 | | 20.9 | .1 | .0 | 4.0 | | 4.1 | 7200 |
| DEC | | | .4 | .0 | 22.6 | | 22.7 | .3 | .1 | 3.8 | .0 | 4.2 | 7436 |
| TOTALS | | .0 | 2.3 | .0 | 14.8 | .0 | 16.7 | 2.5 | .1 | 2.5 | .0 | 5.1 | 87614 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86
MONTH: ALL

| MONTH | TSTMS | RAIN &/OR GRIZZLE | FRZING RAIN &/OR GRIZZLE | SNOW &/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|--------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| JAN | | .3 | | 49.3 | | 49.4 | 10.0 | .2 | 24.1 | | 32.1 | 1085 |
| FEB | | | | 51.2 | | 51.2 | 12.9 | .6 | 24.4 | | 34.1 | 986 |
| MAR | | .1 | | 48.2 | | 48.2 | 12.0 | .6 | 19.4 | | 29.3 | 1084 |
| APR | | .1 | .1 | 43.0 | | 43.0 | 10.7 | .3 | 13.4 | | 22.3 | 1050 |
| MAY | | 2.1 | .2 | 53.3 | | 54.0 | 20.7 | .6 | 6.5 | | 16.7 | 1085 |
| JUN | | 14.3 | .1 | 37.1 | | 44.1 | 40.9 | .5 | 1.7 | | 42.5 | 1049 |
| JUL | | 37.1 | | 11.9 | .1 | 40.9 | 41.6 | .7 | .3 | | 42.3 | 1084 |
| AUG | | 38.1 | .4 | 17.3 | .1 | 45.5 | 32.1 | 1.5 | .8 | | 33.4 | 1085 |
| SEP | | 10.1 | .8 | 46.7 | | 51.3 | 11.2 | | 5.8 | .1 | 16.6 | 1049 |
| OCT | | 1.1 | .3 | 60.4 | | 60.4 | 6.2 | .1 | 16.1 | | 21.3 | 1084 |
| NOV | | .4 | .1 | 57.8 | | 57.9 | 5.3 | .1 | 19.2 | | 23.4 | 1078 |
| DEC | | .3 | .1 | 55.6 | | 55.6 | 7.4 | .4 | 19.7 | | 26.5 | 1115 |
| TOTALS | | 8.7 | .2 | 44.3 | .0 | 50.1 | 17.6 | .5 | 12.0 | .0 | 29.2 | 12836 |

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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDRETHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: ".0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| MONTH | AMOUNTS IN INCHES | | | | | | | | | | | | | % DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|-------------------|-------|-----|------------------|------------------|------------------|------------------|-------------------|--------------------|--------------------|---------------------|----------------------|---------------|--------------------------------|--------------|-----------------|----------|-------|
| | NONE | TRACE | .01 | .02 TO .05 | .06 TO .10 | .11 TO .25 | .26 TO .50 | .51 TO 1.00 | 1.01 TO 2.50 | 2.51 TO 5.00 | 5.01 TO 10.00 | 10.01 TO 20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| | | | | | | | | | | | | | | | | | | |
| JAN | 48.8 | 32.5 | 5.3 | 8.3 | 3.5 | 1.2 | .3 | .1 | | | | | | 18.7 | 1085 | .32 | 2.61 | TRACE |
| FEB | 48.6 | 33.0 | 4.8 | 9.2 | 1.9 | 1.4 | .8 | .2 | | | | | | 18.3 | 987 | .34 | 1.98 | TRACE |
| MAR | 51.4 | 33.2 | 5.2 | 6.9 | 1.9 | 1.2 | .2 | | | | | | | 15.4 | 1084 | .20 | .71 | TRACE |
| APR | 56.1 | 28.0 | 5.5 | 7.0 | 1.8 | 1.0 | .6 | | | | | | | 15.8 | 1049 | .22 | .79 | TRACE |
| MAY | 46.1 | 34.7 | 4.9 | 9.1 | 2.3 | 2.6 | .3 | .1 | | | | | | 19.3 | 1095 | .34 | 1.34 | TRACE |
| JUN | 56.2 | 32.5 | 3.1 | 4.7 | 1.8 | 1.4 | .2 | | | | | | | 11.2 | 1049 | .19 | .62 | TRACE |
| JUL | 59.1 | 20.4 | 3.2 | 7.8 | 4.1 | 3.8 | 1.5 | .1 | .1 | | | | | 20.6 | 1085 | .63 | 3.07 | .05 |
| AUG | 54.5 | 22.2 | 4.4 | 9.9 | 4.0 | 3.6 | 1.0 | .5 | | | | | | 23.3 | 1065 | .62 | 1.86 | TRACE |
| SEP | 48.1 | 28.1 | 4.9 | 8.9 | 4.8 | 4.0 | 1.0 | .2 | | | | | | 23.7 | 1049 | .54 | 1.98 | .02 |
| OCT | 40.5 | 30.0 | 6.9 | 13.0 | 4.3 | 4.1 | .9 | .2 | | | | | | 29.5 | 1085 | .60 | 1.41 | .06 |
| NOV | 41.8 | 34.8 | 6.4 | 10.5 | 2.5 | 3.0 | 1.0 | .1 | | | | | | 23.4 | 1079 | .44 | 1.45 | .02 |
| DEC | 44.5 | 33.9 | 6.2 | 10.9 | 3.0 | 1.2 | .4 | .1 | | | | | | 21.6 | 1115 | .32 | 2.43 | TRACE |
| ANN | 49.6 | 30.3 | 5.1 | 8.8 | 3.0 | 2.4 | .7 | .1 | .0 | | | | | 20.1 | 12837 | 4.76 | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AN GL

PERIOD OF RECORD: 51-86

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------|-------|-------|-------|------|-------|------|-----|-----|-----|-----|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 51 | | | | | | | | | | | | | |
| 52 | .10 | .44 | .13 | .01 | .01 | .08 | .45 | .10 | .39 | .04 | .11 | .05 | .45 |
| 53 | .07 | .11 | .06 | .03 | .08 | .02 | .20 | .38 | .07 | .13 | .28 | .08 | .38 |
| 54 | .07 | .04 | .12 | .08 | .07 | .30 | .10 | .02 | .15 | .30 | .08 | .06 | .30 |
| 55 | .13 | .17 | TRACE | .06 | .29 | .22 | .05 | .98 | .04 | .32 | .28 | .03 | .98 |
| 56 | .03 | .03 | .04 | .08 | .05 | .02 | .29 | .80 | .14 | .25 | .05 | .02 | .80 |
| 57 | .01 | .03 | .04 | TRACE | .03 | TRACE | 1.95 | .17 | .77 | .58 | .24 | .09 | 1.95 |
| 58 | .26 | .49 | .04 | .07 | .03 | .05 | .03 | .05 | .38 | .44 | .41 | .12 | .44 |
| 59 | .06 | .04 | .08 | .28 | .04 | .11 | .40 | .09 | .17 | .25 | .06 | .09 | .40 |
| 60 | .10 | .18 | .33 | .07 | .08 | .08 | .26 | .04 | .33 | .16 | .18 | .04 | .33 |
| 61 | .07 | TRACE | .07 | .05 | .13 | .12 | .27 | .21 | .14 | .08 | .07 | .06 | .27 |
| 62 | .05 | TRACE | .37 | .34 | .21 | TRACE | .17 | .27 | .15 | .10 | .08 | .06 | .27 |
| 63 | .49 | .28 | .06 | .04 | .12 | .03 | .40 | .48 | .20 | .11 | .27 | .06 | .49 |
| 64 | 1.72 | .32 | .06 | .14 | .20 | .02 | .28 | .32 | .32 | .24 | .04 | .16 | 1.72 |
| 65 | .12 | .93 | .16 | .10 | .12 | .23 | .22 | .09 | .18 | .36 | .24 | .08 | .93 |
| 66 | .18 | .06 | .02 | .08 | 1.10 | .16 | .08 | .24 | .12 | .26 | .02 | .08 | 1.10 |
| 67 | .10 | .04 | .20 | .05 | .30 | .20 | .28 | .04 | .05 | .18 | .17 | .41 | .41 |
| 68 | .03 | .24 | .01 | .08 | .27 | .02 | .14 | .03 | .63 | .10 | .09 | .14 | .63 |
| 69 | .08 | .12 | .13 | .12 | .06 | .16 | .20 | .60 | .22 | .13 | .61 | .04 | .61 |
| 70 | TRACE | .30 | .04 | .33 | .18 | .06 | .19 | .12 | .12 | .16 | .36 | .65 | .65 |
| 71 | .09 | .04 | .10 | .16 | .08 | .05 | .22 | .70 | .14 | .03 | .16 | .04 | .70 |
| 72 | .14 | .04 | .12 | .08 | .11 | TRACE | .12 | .30 | .10 | .29 | .03 | TRACE | .30 |
| 73 | .10 | .02 | .07 | .28 | .27 | .04 | .35 | .56 | .47 | .10 | .31 | .15 | .56 |
| 74 | .06 | .14 | .08 | .14 | .15 | .04 | .12 | .06 | .06 | .10 | .06 | .04 | .15 |
| 75 | .08 | TRACE | .03 | .17 | .05 | .21 | .07 | .15 | .21 | .54 | .02 | .07 | .54 |
| 76 | .04 | .04 | .01 | .03 | .45 | .01 | .05 | .05 | .08 | .07 | .03 | .15 | .45 |
| 77 | .20 | .12 | .20 | .03 | .22 | .05 | .05 | .06 | .18 | .30 | .16 | .10 | .30 |
| 78 | .09 | .04 | .01 | .06 | .02 | .02 | .20 | .12 | .02 | .18 | .03 | .05 | .20 |
| 79 | .08 | .06 | .20 | .05 | .02 | TRACE | .09 | .20 | .05 | .10 | .05 | .04 | .20 |
| 80 | .09 | .04 | .04 | .20 | .21 | .10 | .10 | .10 | .07 | .10 | .20 | .02 | .21 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 51-86

| 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | | |
|---------------------------|---------------|-------|-------|-------|-------|------|------|-------|------|------|------|------|------------|
| | -M-O-N-T-H-S- | | | | | | | | | | | | |
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
| R1 | .07 | .02 | .01 | TRACE | .11 | .10 | .09 | .12 | .30 | .22 | .50 | .20 | .50 |
| R2 | .13 | .01 | .16 | .27 | .02 | .08 | .40 | .24 | .14 | .19 | .16 | .03 | .40 |
| R3 | .02 | .06 | .04 | .12 | .25 | .11 | .30 | TRACE | .19 | .25 | .12 | .13 | .40 |
| R4 | .05 | .01 | TRACE | TRACE | TRACE | .20 | .62 | .07 | .10 | .21 | .28 | .17 | .62 |
| R5 | .15 | TRACE | .02 | .10 | .06 | .40 | .04 | .50 | .08 | .35 | .13 | .03 | .50 |
| R6 | .06 | .55 | .10 | .08 | .11 | .01 | .17 | .26 | .45 | .02 | .03 | .03 | .55 |
| MLAN | .146 | .149 | .090 | .105 | .154 | .096 | .257 | .243 | .206 | .204 | .174 | .103 | .557 |
| S.D. | .287 | .202 | .089 | .096 | .193 | .096 | .324 | .242 | .173 | .137 | .144 | .119 | .340 |
| TOTAL OBS | 1085 | 987 | 1084 | 1049 | 1085 | 1047 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12637 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | TOTAL MONTHLY PRECIPITATION IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------------------|-------|-------|-------|------|-------|------|------|------|------|------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 51 | | | | | | | | | | | .24 | .13 | |
| 52 | .23 | .54 | .17 | .05 | .01 | .11 | .52 | .31 | .65 | .07 | .47 | .29 | 3.61 |
| 53 | .31 | .29 | .13 | .04 | .10 | .02 | .42 | .86 | .32 | .70 | .99 | .17 | 4.75 |
| 54 | .36 | .16 | .47 | .15 | .29 | .42 | .30 | .02 | .42 | .74 | .24 | .17 | 3.74 |
| 55 | .13 | .29 | TRACE | .16 | .62 | .31 | .15 | 1.63 | .05 | 1.16 | .64 | .09 | 5.43 |
| 56 | .08 | .08 | .07 | .12 | .13 | .02 | .73 | 1.42 | .18 | .65 | .17 | .08 | 3.73 |
| 57 | .01 | .12 | .08 | TRACE | .05 | TRACE | 3.07 | .29 | 1.98 | 1.41 | .62 | .26 | 7.89 |
| 58 | .78 | 1.38 | .10 | .08 | .11 | .07 | .05 | .06 | .62 | 1.22 | .75 | .59 | 6.83 |
| 59 | .15 | .11 | .15 | .29 | .06 | .13 | .70 | .16 | .52 | .68 | .21 | .26 | 3.41 |
| 60 | .23 | .24 | .57 | .09 | .26 | .15 | .67 | .11 | .67 | .37 | .92 | .14 | 4.42 |
| 61 | .16 | TRACE | .10 | .18 | .39 | .60 | .61 | .64 | .57 | .22 | .16 | .22 | 3.85 |
| 62 | .17 | TRACE | .41 | .56 | .52 | TRACE | .20 | 1.04 | .54 | .48 | .33 | .21 | 4.46 |
| 63 | 1.07 | .75 | .11 | .15 | .32 | .10 | 1.19 | 1.37 | .65 | .40 | .48 | .26 | 6.85 |
| 64 | 2.61 | .98 | .24 | .29 | .45 | .08 | 1.25 | .59 | .67 | .75 | .22 | .48 | 8.61 |
| 65 | .44 | 1.98 | .56 | .29 | .58 | .61 | .99 | .19 | .69 | .99 | .45 | .18 | 7.98 |
| 66 | .50 | .24 | .10 | .17 | 1.34 | .31 | .08 | 1.86 | .30 | .65 | .02 | .17 | 5.94 |
| 67 | .14 | .12 | .24 | .10 | .79 | .21 | 1.15 | .13 | .19 | .72 | .97 | 1.32 | 6.08 |
| 68 | .07 | .43 | .03 | .28 | .39 | .05 | .32 | .03 | .91 | .39 | .38 | .56 | 3.94 |
| 69 | .27 | .42 | .41 | .21 | .39 | .56 | .87 | .74 | .42 | .37 | 1.45 | .19 | 6.10 |
| 70 | TRACE | .40 | .10 | .79 | .33 | .09 | .72 | .21 | .22 | .34 | .71 | 2.43 | 6.34 |
| 71 | .19 | .16 | .14 | .23 | .14 | .05 | .23 | 1.26 | .42 | .11 | .25 | .09 | 3.27 |
| 72 | .39 | .07 | .29 | .09 | .35 | TRACE | .33 | .99 | .27 | .68 | .09 | TRACE | 3.55 |
| 73 | .22 | .03 | .21 | .39 | .41 | .06 | .95 | .84 | 1.74 | .24 | .38 | .32 | 5.79 |
| 74 | .12 | .38 | .12 | .36 | .95 | .08 | .34 | .20 | .11 | .42 | .09 | .22 | 3.34 |
| 75 | .10 | TRACE | .06 | .21 | .10 | .42 | .32 | .58 | .73 | 1.32 | .04 | .19 | 4.07 |
| 76 | .15 | .07 | .02 | .09 | .81 | .01 | .32 | .13 | .37 | .19 | .27 | .34 | 2.70 |
| 77 | .44 | .26 | .07 | .09 | .44 | .11 | .09 | .10 | .61 | .76 | .60 | .32 | 4.42 |
| 78 | .34 | .17 | .02 | .28 | .02 | .03 | .53 | .58 | .07 | .64 | .04 | .17 | 2.84 |
| 79 | .29 | .18 | .71 | .19 | .02 | TRACE | .39 | .50 | .14 | .22 | .21 | .11 | 2.96 |
| 80 | .34 | .07 | .12 | .42 | .43 | .12 | .54 | .48 | .16 | .13 | .56 | .03 | 3.40 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 51-86

| TOTAL MONTHLY PRECIPITATION IN INCHES | | | | | | | | | | | | | |
|---------------------------------------|---------------|-------|-------|-------|-------|------|------|-------|------|------|------|------|------------|
| YEAR | -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 81 | .14 | .03 | .01 | TRACE | .13 | .25 | .14 | .66 | 1.11 | .74 | .84 | .31 | 4.36 |
| 82 | .34 | .02 | .22 | .52 | .03 | .13 | 1.04 | .71 | .42 | .54 | .29 | .13 | 4.39 |
| 83 | .04 | .25 | .16 | .44 | .47 | .29 | .92 | TRACE | .40 | .69 | .18 | .38 | 4.42 |
| 84 | .06 | .01 | TRACE | TRACE | TRACE | .39 | 1.20 | .31 | .35 | .37 | .80 | .11 | 3.60 |
| 85 | .15 | TRACE | .03 | .26 | .14 | .62 | .16 | 1.51 | .23 | 1.20 | .44 | .23 | 4.79 |
| 86 | .13 | 1.34 | .25 | .08 | .17 | .02 | .41 | 1.20 | 1.17 | .06 | .05 | .13 | 5.06 |
| MEAN | .319 | .339 | .202 | .217 | .341 | .186 | .626 | .621 | .541 | .601 | .441 | .316 | 4.700 |
| S.D. | .452 | .457 | .192 | .178 | .309 | .196 | .557 | .521 | .439 | .369 | .333 | .437 | 1.413 |
| TOTAL OBS | 1085 | 987 | 1064 | 1049 | 1085 | 1049 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12837 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AR GL

PERIOD OF RECORD: 51-85

| MONTH | AMOUNTS IN INCHES | | | | | | | | | | | | | | OVER 50.4 | 2 DAYS WITH PEAKS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|-------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-------|------|--------------|---------------------------------|--------------|-----------------|-------|--|
| | NONE | TRACE | 0.1 | 0.5 | 1.5 | 2.5 | 3.5 | 4.5 | 6.5 | 10.5 | 15.5 | 25.5 | TOTAL | MEAN | | | | GREATEST | LEAST | |
| | | | TO 0.4 | TO 1.4 | TO 2.4 | TO 3.4 | TO 4.4 | TO 6.4 | TO 10.4 | TO 15.4 | TO 25.4 | TO 50.4 | | | | | | | | |
| JAN | 48.4 | 32.1 | 13.2 | 5.3 | .5 | .4 | | .2 | | .1 | | | | 19.5 | 1045 | 2.4 | 25.8 | TRACE | | |
| FEB | 48.0 | 33.0 | 13.7 | 3.6 | .5 | .4 | .2 | .5 | | | | | | 18.9 | 997 | 3.3 | 15.9 | TRACE | | |
| MAR | 50.7 | 33.8 | 11.3 | 3.4 | .6 | .1 | .1 | | | | | | | 15.5 | 1044 | 2.1 | 7.1 | TRACE | | |
| APR | 56.0 | 28.1 | 11.2 | 3.8 | .3 | .6 | .1 | | | | | | | 15.9 | 1049 | 2.3 | 8.2 | TRACE | | |
| MAY | 46.2 | 34.6 | 12.4 | 5.3 | .9 | .4 | | .2 | .1 | | | | | 19.3 | 1085 | 3.5 | 14.9 | TRACE | | |
| JUN | 62.7 | 30.0 | 5.2 | 1.6 | .4 | | | | | | | | | 7.2 | 1049 | .9 | 5.1 | TRACE | | |
| JUL | 87.6 | 9.1 | 1.8 | 1.2 | .7 | | | | | | | | | 3.2 | 1085 | .5 | 5.3 | .0 | | |
| AUG | 82.4 | 13.5 | 2.3 | 1.6 | .3 | | | | | | | | | 4.1 | 1065 | .7 | 4.6 | .0 | | |
| SEP | 52.1 | 28.5 | 10.6 | 7.0 | 1.0 | .2 | .1 | .4 | .1 | | | | | 19.4 | 1049 | 4.0 | 13.5 | .2 | | |
| OCT | 39.9 | 29.9 | 18.2 | 7.6 | 2.7 | .9 | .5 | .2 | .1 | | | | | 10.2 | 1085 | 6.4 | 14.7 | .7 | | |
| NOV | 41.4 | 34.2 | 15.5 | 6.2 | 1.4 | .8 | .3 | .1 | | .1 | | | | 24.4 | 1079 | 4.9 | 26.2 | .3 | | |
| DEC | 44.5 | 34.2 | 14.8 | 5.2 | .7 | .4 | .1 | | .1 | | | | | 21.3 | 1115 | 3.3 | 24.4 | TRACE | | |
| ANN | 55.0 | 28.4 | 10.8 | 4.3 | .8 | .3 | .1 | .1 | .0 | .0 | | | | 16.6 | 12837 | 3.3 | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042027 STATION NAME: THULE AB 6L

PERIOD OF RECORD: 51-86

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------|-------|-------|-------|-----|---------------|-------|-------|------|-----|------|--------|------------|
| | JAN | FEB | MAR | APR | MAY | -M-O-N-T-H-S- | | AUG | SEP | OCT | NOV | DEC | |
| | | | | | | JUN | JUL | | | | | | |
| 51 | | | | | | | | | | | 1.3 | .5 | |
| 52 | 1.1 | 3.3 | 1.0 | 1.0 | .3 | TRACE | TRACE | .3 | 1.2 | .4 | 2.5 | 2.0 | 5.3 |
| 53 | 1.2 | 1.1 | .6 | .3 | .8 | .2 | TRACE | TRACE | .7 | 1.3 | 2.9 | .8 | 2.9 |
| 54 | .7 | .4 | 1.2 | .8 | .7 | .3 | TRACE | .6 | 1.5 | 1.0 | .8 | .6 | 3.0 |
| 55 | 1.3 | 1.7 | TRACE | .6 | 2.9 | TRACE | TRACE | TRACE | .3 | 3.2 | 3.0 | .3 | 3.2 |
| 56 | .3 | .3 | .4 | .8 | .5 | TRACE | TRACE | .3 | 1.7 | 4.0 | .5 | .2 | 4.0 |
| 57 | .1 | .3 | .6 | TRACE | .5 | TRACE | .0 | .0 | 1.0 | 1.8 | 2.8 | .9 | 5.8 |
| 58 | 2.6 | 5.0 | .4 | .3 | .3 | .5 | .0 | TRACE | 1.1 | 6.7 | 4.4 | 1.2 | 7.1 |
| 59 | .6 | .4 | .8 | 2.8 | .4 | 1.1 | .0 | .0 | 1.7 | 2.5 | .6 | .9 | 2.8 |
| 60 | 1.0 | 1.6 | 3.0 | .3 | .8 | .2 | .0 | TRACE | 1.0 | 1.6 | 1.8 | .4 | 3.1 |
| 61 | .7 | TRACE | .7 | .5 | 3.0 | .5 | .1 | .1 | 1.4 | .8 | .7 | .6 | 3.1 |
| 62 | .5 | TRACE | 3.7 | 3.4 | 2.1 | TRACE | TRACE | 1.0 | 1.5 | 1.0 | .8 | .6 | 3.7 |
| 63 | 4.9 | 2.8 | .6 | .4 | 1.2 | .3 | TRACE | TRACE | 2.0 | 1.1 | 2.7 | .6 | 4.9 |
| 64 | 15.0 | 3.7 | .4 | *1.4 | .7 | *.1 | .9 | 2.3 | 4.6 | 2.6 | .7 | .9 | 15.0 |
| 65 | 1.2 | 6.1 | 1.9 | 1.6 | .9 | 2.3 | 1.8 | .7 | 2.0 | 3.5 | 2.4 | .8 | 6.1 |
| 66 | 1.4 | .6 | .2 | 1.2 | 1.2 | .9 | .8 | .0 | 1.2 | 2.0 | .2 | .5 | 2.0 |
| 67 | .5 | .5 | .5 | .5 | 3.0 | 2.0 | 1.0 | .2 | .8 | 2.0 | 2.0 | 4.1 | 4.1 |
| 68 | .2 | 2.8 | .1 | .8 | 2.1 | .2 | .1 | TRACE | 6.3 | 1.1 | .9 | 1.4 | 6.3 |
| 69 | .8 | 1.2 | 1.3 | 1.2 | .6 | 1.6 | .2 | TRACE | 3.5 | 1.5 | 14.5 | .8 | 14.5 |
| 70 | TRACE | 3.0 | .4 | 3.5 | 9.3 | .6 | TRACE | .7 | 2.4 | 1.5 | 3.6 | .5 | 9.3 |
| 71 | .9 | .4 | 1.5 | 2.6 | 1.3 | TRACE | 1.5 | 1.3 | 1.4 | 1.0 | 1.5 | .8 | 2.6 |
| 72 | 2.8 | *1.3 | 1.3 | 1.0 | 1.9 | TRACE | TRACE | 1.0 | 1.4 | 3.6 | .3 | *TRACE | 3.6 |
| 73 | 3.1 | .4 | .7 | 2.8 | 2.2 | TRACE | 1.4 | TRACE | 4.7 | 1.0 | 3.1 | 1.5 | 4.7 |
| 74 | .6 | 1.4 | *.6 | 1.4 | 1.5 | .4 | .2 | TRACE | .6 | 1.0 | *.5 | .4 | 1.5 |
| 75 | .8 | TRACE | .3 | 1.7 | .5 | TRACE | .0 | 1.5 | 2.1 | 1.4 | .2 | .7 | 2.1 |
| 76 | .4 | .4 | .1 | .3 | 4.5 | .1 | .1 | .3 | .5 | .7 | .3 | 2.5 | 4.5 |
| 77 | 3.0 | 1.2 | 2.0 | .3 | 2.2 | .5 | TRACE | TRACE | *1.9 | 1.0 | 1.6 | 1.0 | 3.0 |
| 78 | .9 | .4 | .1 | .6 | .2 | .2 | .0 | TRACE | .2 | 1.9 | .3 | .5 | 1.9 |
| 79 | .8 | .1 | 2.0 | .5 | .2 | TRACE | .7 | 1.2 | .5 | 1.0 | .5 | .4 | 2.0 |
| 80 | .9 | .4 | .4 | 2.2 | 2.1 | 1.0 | TRACE | .2 | .7 | 1.0 | 2.0 | .2 | 2.2 |

NOTE * TRASED ON LESS THAN FULL MONTHS

CONTINUED ON NEXT PAGE...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 81 | .7 | .2 | .1 | TRACE | 1.1 | .5 | .0 | .1 | 2.8 | 2.2 | 5.0 | 2.0 | 5.0 |
| 82 | 1.3 | .1 | 1.6 | 2.7 | .2 | TRACE | .5 | 2.0 | 1.4 | 1.9 | 1.6 | .3 | 2.7 |
| 83 | .2 | .8 | .4 | 1.2 | 2.5 | 1.1 | TRACE | TRACE | 1.3 | 1.4 | 2.0 | 1.3 | 2.5 |
| 84 | .5 | .1 | TRACE | TRACE | TRACE | .9 | .0 | TRACE | .3 | 2.1 | 2.8 | 1.2 | 2.8 |
| 85 | 1.5 | TRACE | .2 | 1.0 | TRACE | .5 | TRACE | .5 | .8 | 3.5 | 1.3 | .3 | 3.5 |
| 86 | .6 | 5.5 | 1.0 | .8 | 1.1 | .1 | TRACE | 1.0 | 4.5 | .2 | .3 | .7 | 5.5 |
| MEAN | 1.52 | 1.38 | .87 | 1.15 | 1.51 | .47 | .27 | .42 | 1.99 | 2.21 | 2.05 | 1.06 | 4.13 |
| S.D. | 2.557 | 1.671 | .861 | .997 | 1.716 | .590 | .493 | .621 | 1.697 | 1.529 | 2.498 | 1.218 | 2.545 |
| TOTAL OBS | 1085 | 987 | 1084 | 1049 | 1085 | 1049 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12637 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | TOTAL MONTHLY SNOWFALL IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|----------------------------------|-------|-------|-------|------|-------|-------|-------|------|------|------|--------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 51 | | | | | | TRACE | TRACE | .3 | 4.1 | .7 | 2.5 | 1.6 | |
| 52 | 3.0 | 4.5 | 1.4 | 2.3 | .5 | TRACE | TRACE | .3 | 4.1 | .7 | 5.8 | 5.3 | 27.9 |
| 53 | 4.2 | 2.9 | 1.3 | .4 | 1.0 | .2 | TRACE | TRACE | 3.2 | 7.0 | 10.0 | 1.7 | 31.9 |
| 54 | 3.6 | 1.6 | 4.7 | 1.5 | 2.9 | .3 | TRACE | .0 | 2.3 | 7.4 | 2.4 | 1.7 | 28.4 |
| 55 | 1.3 | 2.9 | TRACE | 1.6 | 8.2 | TRACE | TRACE | TRACE | .4 | 11.4 | 6.6 | .9 | 73.3 |
| 56 | .8 | .6 | .7 | 1.2 | 1.3 | TRACE | TRACE | .3 | 1.7 | 9.6 | 1.8 | .8 | 19.0 |
| 57 | .1 | 1.8 | 1.8 | TRACE | .9 | TRACE | .0 | .0 | 4.1 | 14.5 | 5.9 | 3.1 | 32.2 |
| 58 | 8.5 | 14.6 | 1.0 | .8 | 1.1 | .7 | .0 | TRACE | 10.5 | 14.7 | 7.8 | 5.9 | 65.8 |
| 59 | 1.6 | 1.0 | 1.5 | 2.9 | .6 | 1.3 | .0 | .0 | 5.2 | 6.8 | 2.1 | 2.6 | 25.6 |
| 60 | 2.3 | 2.4 | 5.7 | .9 | 2.7 | .6 | .0 | TRACE | 3.1 | 3.7 | 9.2 | 1.4 | 32.0 |
| 61 | 1.6 | TRACE | 1.0 | 1.8 | 6.5 | 1.3 | .1 | .1 | 4.5 | 2.2 | 1.6 | 2.2 | 22.9 |
| 62 | 1.7 | TRACE | 4.1 | 5.6 | 5.2 | TRACE | TRACE | 3.3 | 4.7 | 4.8 | 3.3 | 2.1 | 34.8 |
| 63 | 10.7 | 7.5 | 1.1 | 1.5 | 2.8 | 1.0 | TRACE | TRACE | 6.2 | 4.0 | 4.7 | 2.6 | 42.1 |
| 64 | 25.8 | 9.6 | 2.5 | *3.5 | 2.7 | *.3 | 2.8 | 4.6 | 7.5 | 7.9 | 2.6 | 4.4 | *74.2 |
| 65 | 4.6 | 16.9 | 5.7 | 3.1 | 4.1 | 5.1 | 6.3 | .8 | 5.7 | 10.7 | 5.5 | 2.1 | 70.6 |
| 66 | 4.6 | 2.1 | 1.2 | 1.9 | 3.6 | 3.6 | .8 | .0 | 1.6 | 10.9 | .3 | 1.6 | 72.2 |
| 67 | .9 | 1.0 | .9 | 1.1 | 8.7 | 2.1 | 1.2 | .3 | 2.3 | 7.3 | 9.9 | 12.5 | 46.2 |
| 68 | .6 | 4.3 | .2 | 2.8 | 4.0 | .2 | .1 | TRACE | 9.1 | 4.2 | 3.9 | 5.7 | 35.0 |
| 69 | 2.7 | 4.2 | 4.1 | 2.1 | 3.9 | 4.3 | .2 | TRACE | 4.3 | 4.6 | 26.2 | 2.0 | 58.6 |
| 70 | TRACE | 4.0 | .9 | 8.2 | 14.9 | .9 | TRACE | 1.7 | 7.3 | 5.0 | 7.1 | 24.4 | 70.4 |
| 71 | 2.0 | 2.0 | 2.0 | 4.2 | 2.4 | TRACE | 1.5 | 2.0 | 2.7 | 1.7 | 2.4 | .9 | 23.8 |
| 72 | 6.2 | *2.1 | 3.9 | 1.2 | 5.1 | TRACE | TRACE | 1.0 | 3.4 | 7.8 | 1.1 | *TRACE | *31.8 |
| 73 | 4.5 | .4 | 2.1 | 3.9 | 4.1 | TRACE | 2.1 | TRACE | 9.7 | 2.4 | 3.9 | 2.3 | 36.4 |
| 74 | 1.2 | 3.8 | *1.2 | 3.6 | 9.5 | .7 | .2 | TRACE | 1.1 | 4.2 | *.9 | 2.2 | *28.6 |
| 75 | 1.0 | TRACE | .6 | 2.1 | .9 | TRACE | .0 | 2.0 | 7.3 | 13.2 | .4 | 1.9 | 29.4 |
| 76 | 1.5 | .7 | .2 | .9 | 8.1 | .1 | .1 | .6 | 2.2 | 1.9 | 2.0 | 4.4 | 22.7 |
| 77 | 5.4 | 2.6 | 6.0 | .9 | 4.4 | 1.0 | TRACE | TRACE | *6.1 | 7.6 | 6.0 | 3.2 | *43.2 |
| 78 | 3.4 | 1.7 | .2 | 2.8 | .2 | .2 | .0 | TRACE | .2 | 7.0 | .4 | 1.1 | 17.2 |
| 79 | 2.9 | 1.8 | 7.1 | 1.9 | .2 | TRACE | 1.3 | 2.8 | 1.4 | 2.2 | 2.1 | 1.1 | 24.8 |
| 80 | 3.4 | .7 | 1.2 | 4.4 | 4.3 | 1.2 | TRACE | .2 | 1.6 | 1.3 | 5.6 | .3 | 24.2 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THOLF AB GL

PERIOD OF RECORD: 51-86

| TOTAL MONTHLY SNOWFALL IN INCHES | | | | | | | | | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| -M-O-N-T-H-S- | | | | | | | | | | | | | |
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
| 61 | 1.4 | .3 | .1 | TRACE | 1.3 | .5 | .0 | .2 | 7.9 | 7.4 | 8.4 | 3.1 | 26.5 |
| 82 | 3.4 | .2 | 2.2 | 5.2 | .3 | TRACE | .5 | 2.2 | 4.2 | 5.4 | 2.9 | 1.3 | 27.8 |
| 83 | .4 | 2.5 | 1.6 | 4.4 | 4.7 | 2.0 | TRACE | TRACE | 4.0 | 8.9 | 3.0 | 3.9 | 35.2 |
| 84 | .6 | .1 | TRACE | TRACE | TRACE | 1.9 | .0 | TRACE | .4 | 3.7 | 8.0 | 2.0 | 16.7 |
| 85 | 1.5 | TRACE | .3 | 2.8 | TRACE | 1.2 | TRACE | .9 | 2.3 | 10.2 | 4.4 | .3 | 23.9 |
| 86 | 1.3 | 13.9 | 2.5 | .8 | 1.7 | .2 | TRACE | 1.5 | 7.8 | .7 | .6 | 1.3 | 32.3 |
| MEAN | 3.39 | 3.32 | 2.05 | 2.32 | 3.51 | .90 | .49 | .71 | 4.00 | 6.37 | 4.87 | 3.28 | 33.93 |
| S.D. | 4.544 | 4.325 | 1.948 | 1.815 | 3.301 | 1.266 | 1.211 | 1.131 | 2.678 | 3.864 | 4.667 | 4.300 | 14.462 |
| TOTAL OBS | 1085 | 987 | 1034 | 1049 | 1085 | 1049 | 1065 | 1085 | 1049 | 1085 | 1079 | 1115 | 12837 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| MONTH | AMOUNTS IN INCHES | | | | | | | | | | | | | OVER 120 | % DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|-------------------|-------|------|------|------|--------------|---------------|----------------|----------------|----------------|----------------|-----------------|-----|-------------|--------------------------------|--------------|-----------------|----------|-------|
| | NONE | TRACE | 1 | 2 | 3 | 4 TO 6 | 7 TO 12 | 13 TO 24 | 25 TO 36 | 37 TO 48 | 49 TO 60 | 61 TO 120 | 120 | | | | MEAN | GREATEST | LEAST |
| JAN | | 2.0 | 4.1 | 4.1 | 6.1 | 21.7 | 34.2 | 25.4 | 2.5 | | | | | | 98.0 | 1085 | | | |
| FEB | | 2.8 | 2.9 | 2.8 | .4 | 24.8 | 31.4 | 27.8 | 7.0 | | | | | | 97.2 | 989 | | | |
| MAR | | 1.8 | 3.0 | 5.5 | 2.5 | 20.7 | 33.7 | 24.4 | 6.8 | 1.8 | | | | | 98.2 | 1084 | | | |
| APR | | | 3.4 | 8.8 | 4.3 | 22.8 | 34.6 | 18.7 | 7.5 | | | | | | 100.0 | 1050 | | | |
| MAY | 11.4 | 3.4 | 16.2 | 8.3 | 7.1 | 13.7 | 28.1 | 8.4 | 3.3 | | | | | | 85.2 | 1085 | | | |
| JUN | 76.7 | 9.1 | 6.7 | 2.7 | 1.7 | 1.9 | 1.1 | .1 | | | | | | | 14.2 | 1050 | | | |
| JUL | 99.7 | | .2 | .1 | | | | | | | | | | | .3 | 1085 | | | |
| AUG | 97.6 | 1.5 | .7 | .2 | | | | | | | | | | | .9 | 1085 | | | |
| SEP | 52.5 | 13.3 | 14.3 | 7.6 | 5.5 | 5.8 | .9 | | | | | | | | 34.1 | 1049 | | | |
| OCT | 6.7 | 6.7 | 14.9 | 12.8 | 11.5 | 30.7 | 15.0 | 1.6 | | | | | | | 86.5 | 1085 | | | |
| NOV | .6 | .5 | 8.7 | 7.6 | 10.8 | 40.3 | 22.2 | 9.4 | | | | | | | 99.0 | 1079 | | | |
| DEC | .8 | 1.4 | 3.0 | 10.9 | 7.1 | 28.8 | 30.5 | 17.5 | | | | | | | 97.8 | 1115 | | | |
| ANN | 28.8 | 3.5 | 6.5 | 5.9 | 4.7 | 17.6 | 19.3 | 11.1 | 2.3 | .1 | | | | | 67.6 | 12841 | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | DAILY SNOW DEPTH IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-------|-----|-----|-----|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 51 | | | | | | | | | | | 3 | 2 | |
| 52 | 3 | 8 | 8 | 2 | 2 | 0 | 0 | 0 | 2 | 1 | 6 | 4 | 8 |
| 53 | 7 | 7 | 5 | 3 | 1 | 1 | 0 | 0 | 1 | 4 | 12 | 11 | 12 |
| 54 | 13 | 13 | 14 | 14 | 4 | 0 | 0 | 0 | 2 | 7 | 10 | 12 | 14 |
| 55 | 13 | 14 | 12 | 9 | 11 | 1 | 0 | 0 | TRACE | 4 | 6 | 6 | 14 |
| 56 | 5 | 5 | 6 | 6 | 4 | TRACE | 0 | TRACE | 1 | 6 | 6 | 5 | 6 |
| 57 | 6 | 6 | 6 | 6 | 2 | 0 | 0 | 0 | 1 | 9 | 9 | 11 | 11 |
| 58 | 16 | 20 | 18 | 12 | 12 | 3 | 0 | 0 | 7 | 10 | 10 | 11 | 20 |
| 59 | 12 | 11 | 10 | 9 | 5 | TRACE | 0 | 0 | 4 | 10 | 13 | 16 | 16 |
| 60 | 18 | 20 | 24 | 26 | 16 | 4 | 0 | 0 | 3 | 7 | 20 | 21 | 26 |
| 61 | 23 | 7 | 7 | 9 | 12 | 7 | 0 | 0 | 3 | 5 | 7 | 9 | 23 |
| 62 | 11 | 11 | 15 | 18 | 15 | 0 | 0 | 1 | 4 | 9 | 12 | 13 | 18 |
| 63 | 24 | 32 | 32 | 27 | 18 | 4 | 0 | 0 | 3 | 5 | 7 | 7 | 32 |
| 64 | 14 | 15 | 8 | 9 | 10 | 4 | 0 | 2 | 7 | 10 | 11 | 11 | 15 |
| 65 | 20 | 35 | 39 | 31 | 15 | 0 | 0 | 1 | 5 | 12 | 9 | 10 | 39 |
| 66 | 11 | 11 | 11 | 11 | 11 | 2 | 0 | 0 | 1 | 6 | 4 | 5 | 11 |
| 67 | 6 | 7 | 7 | 6 | 8 | 3 | 0 | 0 | 1 | 4 | 14 | 22 | 22 |
| 68 | 20 | 22 | 22 | 14 | 12 | 8 | 0 | 0 | 7 | 9 | 6 | 10 | 22 |
| 69 | 13 | 18 | 22 | 20 | 12 | 1 | 0 | 0 | 4 | 4 | 22 | 7 | 22 |
| 70 | 6 | 10 | 3 | 8 | 12 | 3 | 0 | 1 | 3 | 3 | 6 | 23 | 23 |
| 71 | 26 | 12 | 12 | 13 | 12 | 3 | 0 | TRACE | 2 | 3 | 3 | 8 | 26 |
| 72 | 14 | 27 | 29 | 31 | 28 | 10 | 0 | 1 | 1 | 10 | 7 | *5 | 31 |
| 73 | 9 | 8 | 9 | 11 | 13 | 1 | 2 | 0 | 7 | 8 | 12 | 15 | 15 |
| 74 | 16 | 20 | *21 | 25 | 30 | 13 | 0 | 0 | 1 | 5 | *6 | 8 | 30 |
| 75 | 10 | 10 | 10 | 11 | 13 | 0 | 0 | 1 | 4 | 15 | 15 | 17 | 17 |
| 76 | 19 | 20 | 20 | 21 | 29 | 1 | 0 | 0 | 1 | 2 | 5 | 11 | 29 |
| 77 | 16 | 18 | 24 | 24 | 24 | 2 | 0 | 0 | *5 | 12 | 16 | 21 | 24 |
| 78 | 27 | 26 | 22 | 10 | 7 | 0 | 0 | 0 | 0 | 7 | 5 | 3 | 28 |
| 79 | 4 | 5 | 8 | 6 | 3 | 0 | 0 | 0 | TRACE | 2 | 4 | 4 | 8 |
| 80 | 2 | 1 | 3 | 7 | 10 | 1 | 0 | 0 | 1 | 1 | 6 | 1 | 10 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
|-----------|---|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|---------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 81 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | TRACE | 3 | 6 | 6 | 6 | 6 |
| 82 | 3 | TRACE | 1 | 6 | 5 | TRACE | 0 | 0 | 3 | 7 | 5 | 4 | 7 |
| 83 | 4 | 6 | 6 | 6 | 5 | 0 | 0 | 0 | 3 | 4 | 4 | 7 | 7 |
| 84 | 8 | 8 | 8 | 8 | 6 | 0 | 0 | 0 | 0 | 3 | 5 | 8 | 8 |
| 85 | 7 | 5 | 5 | 5 | 1 | 0 | 0 | 0 | 2 | 9 | 5 | 2 | 9 |
| 86 | 3 | 16 | 20 | 11 | 4 | TRACE | 0 | 2 | 6 | 1 | 1 | 3 | 20 |
| MEAN | 11.7 | 13.1 | 13.2 | 12.5 | 10.7 | 2.1 | .1 | .3 | 2.7 | 6.3 | 8.3 | 5.5 | 17.0 |
| S.D. | 7.204 | 8.678 | 9.305 | 8.222 | 7.809 | 3.124 | .338 | .561 | 2.165 | 3.494 | 4.850 | 5.972 | 8.470 |
| TOTAL OBS | 1085 | 989 | 1084 | 1050 | 1085 | 1050 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12841 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .01%.

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 54-96

| YEAR | DAILY PEAK GUSTS IN KNOTS | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------|--------|---------|--------|---------|---------|--------|---------|--------|---------|---------|--------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 54 | | | | | | | | | | | | | |
| 55 | SSE 52 | SSE 68 | SSE 52 | S 41 | ESE 51 | SE 50 | SSE 52 | SE 74 | E *76 | | ESE *75 | SE 44 | |
| 56 | SE 73 | SF 55 | SSE 49 | ESE 50 | SE 35 | SSE *31 | | | | SE *57 | ESE 46 | ESE 51 | |
| 57 | ESE 67 | ESE 62 | E 89 | SSE 36 | SE 43 | E 53 | E 62 | E 45 | NNE 63 | SE 49 | SE 50 | S 21 | E 89 |
| 58 | SSE 58 | ESE 70 | SSE 38 | SE 65 | SF 68 | E 42 | E 59 | E 17 | NNW 32 | NE 45 | ESE 48 | SSE 46 | ESE 70 |
| 59 | SSE 58 | SSE 63 | SE 34 | ESE 58 | SE 30 | SE 32 | SF 25 | SE 31 | ENE 68 | NE 50 | ESE 50 | SE 36 | ENE 68 |
| 60 | ESE 81 | ESE 66 | ESE 90 | SE 54 | NNW *27 | SE 28 | ESE 47 | E *33 | SF 34 | E 43 | SE 43 | ESE 28 | ESE 90 |
| 61 | SSE 63 | SE 50 | ESE 58 | S 19 | SE 34 | SSE 41 | SF 47 | ESE *48 | E *30 | ENE *51 | SSE *47 | SE *55 | SSE 63 |
| 62 | SE 39 | SF 65 | ESE 35 | SSW 30 | ESE 52 | SSE 39 | E 58 | ESE 58 | ENE 70 | SE 47 | ESE 60 | ESE 70 | ENE 70 |
| 63 | SL 70 | SSE 64 | SE 68 | SE 45 | SE 34 | SE 34 | ESE 43 | E 50 | SE 44 | E 38 | S 65 | N 48 | SE 70 |
| 64 | E 67 | SSW 60 | SE 60 | SSE 65 | SSE 26 | SE 51 | ESE 64 | ESE *45 | E *53 | SE 39 | SSE *39 | SSE 50 | E 67 |
| 65 | SL 80 | W 77 | SSW 50 | SSW 35 | S 50 | SE 37 | ENE 46 | E 64 | ESE 55 | SE 40 | ENE 58 | ESE 46 | SF 80 |
| 66 | E 63 | SE 51 | SE 34 | ESE 55 | SSW 48 | SE 50 | E 40 | E 53 | SF 65 | SE 36 | S 49 | SF 57 | SE 65 |
| 67 | SE 52 | ESE 74 | SSE 102 | ESE 84 | SSW 60 | SE 27 | E 58 | ESE 49 | SW 49 | SF 40 | ESE 55 | SE 70 | SSE 102 |
| 68 | SL 40 | ESE 50 | SE 49 | ESE 55 | ESE 48 | ESE 46 | 14/ 41 | 12/ 47 | 10/ 65 | 11/ 57 | 8/ 53 | 10/ 47 | 10/ 66 |
| 69 | 22/ 52 | 12/ 50 | 14/ 44 | 14/ 32 | 13/ 44 | 2/ 31 | 14/ 31 | 10/ 36 | 12/ 43 | 16/ 24 | 15/ 54 | 14/ 39 | 15/ 54 |
| 70 | 15/ 58 | 20/ 63 | 14/ 56 | 14/ 64 | 13/ 37 | 11/ 50 | 11/ 44 | 12/ 58 | 16/ 46 | 14/ 60 | 15/ 80 | 13/ 70 | 15/ 80 |
| 71 | 2/ 36 | 19/ 39 | 14/ 36 | 16/ 40 | 12/ 64 | 13/ 63 | 13/ 57 | 15/ 64 | 11/ 52 | 7/ 52 | 11/ 32 | 12/ 83 | 12/ 83 |
| 72 | 10/ 70 | 14/ 81 | 12/ 96 | 23/ 57 | 13/ 34 | 13/ 50 | 15/ 26 | 13/ 39 | 11/ 48 | 7/ 44 | 13/ 49 | 4/ 37 | 12/ 96 |
| 73 | 13/ 57 | 17/ 32 | 11/ 76 | 15/ 31 | 14/ 54 | 12/ 49 | 17/ 62 | 14/ 67 | 14/ 40 | 4/ 54 | 4/ 21 | 13/ 40 | 11/ 76 |
| 74 | 16/ 30 | 13/ 25 | 13/ 38 | 12/ 35 | 14/ 41 | 10/ 58 | 14/ 41 | 14/ 52 | 12/ 44 | 11/ 41 | 11/ 42 | 13/ 30 | 16/ 58 |
| 75 | 10/ 43 | 7/ 44 | 1/ 44 | 13/ 55 | 14/ 29 | 10/ 51 | 7/ 50 | 7/ 67 | 13/ 46 | 8/ 45 | 13/ 41 | 12/ 44 | 7/ 67 |
| 76 | 14/ 74 | 13/ 54 | 12/ 60 | 14/ 38 | 16/ 62 | 14/ 40 | 12/ 49 | 13/ 38 | 12/ 76 | 13/ 43 | 16/ 36 | 8/ 54 | 12/ 76 |
| 77 | 13/ 66 | 13/ 47 | 13/ 64 | 12/ 54 | 6/ 38 | 13/ 50 | 7/ 27 | 13/ 27 | 13/ 66 | 11/ 58 | 9/ 48 | 7/ 71 | 7/ 71 |
| 78 | 9/ 50 | 11/ 40 | 10/ 32 | 9/ 45 | 7/ 45 | 14/ 38 | 11/ 60 | 13/ 42 | 16/ 35 | 12/ 46 | 13/ 63 | 13/ 65 | 13/ 65 |
| 79 | 12/ 66 | 13/ 50 | 13/ 71 | 12/ 65 | 15/ 36 | 13/ 37 | 10/ 53 | 8/ 53 | 17/ 25 | 14/ 40 | 15/ 54 | 15/ 47 | 13/ 71 |
| 80 | 15/ 62 | 14/ 62 | 9/ 60 | 11/ 38 | 7/ 44 | 3/ 45 | 11/ 70 | 13/ 56 | 13/ 43 | 13/ 42 | 13/ 46 | 13/ 49 | 11/ 70 |
| 81 | 11/ 50 | 13/ 56 | 12/ 35 | 12/ 49 | 11/ 55 | 11/ 40 | 14/ 43 | 8/ 45 | 9/ 66 | 13/ 47 | 15/ 55 | 15/ 50 | 9/ 66 |
| 82 | 10/ 41 | 14/ 28 | 14/ 50 | 12/ 42 | 7/ 76 | 7/ 38 | 10/ 57 | 16/ 48 | 12/ 40 | 14/ 23 | 9/ 55 | 15/ 21 | 7/ 76 |
| 83 | 15/ 26 | 15/ 45 | 16/ 51 | 7/ 60 | 6/ 46 | 14/ 34 | 12/ 64 | 15/ 26 | 4/ 27 | 10/ 77 | 11/ 70 | 9/ 37 | 10/ 77 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
% (BASED ON LESS THAN FULL MONTHS AND *100 KNOTS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AH GL

PERIOD OF RECORD: 54-86

| DAILY PEAK GUSTS IN KNOTS | | | | | | | | | | | | | |
|---------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| YEAR | -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 84 | 12/ 42 | 13/ 35 | 10/ 48 | 12/ 24 | 10/ 33 | 12/ 42 | 10/ 48 | 4/ 40 | 3/ 42 | 9/ 62 | 16/ 36 | 11/ 59 | 9/ 62 |
| 85 | 11/ 72 | 13/ 38 | 15/ 48 | 16/ 44 | 18/ 33 | 16/ 35 | 15/ 41 | 16/ 45 | 11/ 49 | 14/ 70 | 29/ 82 | 5/ 44 | 29/ 82 |
| 86 | 6/ 55 | 11/ 52 | 11/ 48 | 12/ 52 | 5/ 48 | 12/ 40 | 17/ 64 | 6/ 62 | 15/ 47 | 16/ 27 | 16/ 50 | 14/ 64 | 17/ 64 |
| MEAN | 56.7 | 53.8 | 55.2 | 47.4 | 45.1 | 42.6 | 49.3 | 48.3 | 49.2 | 45.8 | 51.5 | 45.1 | 73.9 |
| S.D. | 14.221 | 14.228 | 18.827 | 14.055 | 12.238 | 8.728 | 11.957 | 13.698 | 14.441 | 12.493 | 12.839 | 14.513 | 11.346 |
| TOTAL OBS | 991 | 903 | 989 | 956 | 984 | 952 | 959 | 940 | 865 | 927 | 933 | 1001 | 11420 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
% (BASED ON LESS THAN FULL MONTHS AND *100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56 | |
| N | | .1 | | | | | | | | | .1 | 4.0 |
| NNE | .2 | .5 | .8 | .1 | .1 | | | | | | 1.7 | 7.1 |
| NE | .5 | 3.2 | 2.6 | .4 | .2 | | | | | | 7.0 | 6.9 |
| ENE | 1.2 | 6.4 | 4.6 | .5 | .2 | | | | | | 14.9 | 6.2 |
| E | 4.9 | 15.9 | 11.5 | 1.9 | .3 | .8 | .3 | | | | 35.7 | 6.9 |
| ESE | 1.4 | 5.9 | 5.2 | 1.0 | .5 | .3 | .3 | .1 | | | 14.7 | 9.0 |
| SE | .3 | 1.3 | 1.1 | .4 | .4 | 1.0 | .2 | .2 | | .1 | 5.1 | 14.7 |
| SSE | .4 | .2 | .3 | 1.0 | .3 | .4 | .2 | .1 | | | 3.0 | 15.0 |
| S | .4 | .3 | .1 | .2 | .1 | | | | | | 1.2 | 6.9 |
| SSW | | .1 | | .1 | | .1 | | | | | .3 | 14.0 |
| SW | .4 | .1 | | | | | | | | | .5 | 2.6 |
| WSW | .1 | | .1 | | | | | | | | .2 | 6.5 |
| W | .2 | .4 | .1 | | | | | | | | .8 | 5.0 |
| WNW | | .1 | | .1 | | | | | | | .2 | 9.5 |
| NW | .2 | | | | | | | | | | .2 | 2.0 |
| NNW | .1 | .1 | | | | | | | | | .2 | 4.0 |
| VARIABLE | 3.7 | 1.5 | .1 | | | | | | | | 5.3 | 3.0 |
| CALM | //////////////////// | | | | | | | | | | 8.8 | //// |
| TOTALS | 14.2 | 32.3 | 26.5 | 5.8 | 2.3 | 2.6 | 1.1 | .4 | | .1 | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | | .4 | | | | | | | | | .5 | 6.4 |
| NNF | .3 | .8 | .3 | .3 | | | | | | | | 1.7 | 6.6 |
| NE | .5 | 2.5 | 2.9 | .4 | .1 | | | | | | | 6.5 | 7.2 |
| ENE | 2.7 | 6.3 | 5.1 | .3 | | .2 | | | | | | 14.6 | 6.1 |
| E | 5.6 | 16.2 | 13.9 | 1.6 | .5 | .5 | .2 | | | | | 38.6 | 6.7 |
| ESE | 1.3 | 6.1 | 3.7 | 1.0 | .9 | .3 | .3 | | | | | 13.5 | 8.1 |
| SE | .4 | 1.8 | 1.4 | 1.2 | .5 | .5 | .1 | .2 | .1 | | | 6.3 | 12.1 |
| SSE | .1 | .2 | .1 | .5 | .3 | .6 | .2 | | | | | 2.2 | 17.7 |
| S | .5 | | .2 | | .3 | | | | | | | 1.1 | 9.7 |
| SSW | | .1 | | | | | | | | | | .1 | 5.0 |
| SW | .2 | .3 | | | | | | | | | | .5 | 3.4 |
| WSW | | .3 | .1 | | | | | | | | | .4 | 4.8 |
| W | .1 | .2 | | | | | | | | | | .3 | 3.7 |
| WNW | .1 | .3 | | | | | | | | | | .4 | 3.8 |
| NW | .2 | | | | | | | | | | | .2 | 2.5 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | 1.6 | 1.9 | .5 | .2 | | | | | | | | 4.3 | 4.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 8.6 | //// |
| TOTALS | 13.9 | 37.2 | 28.6 | 5.6 | 2.7 | 2.3 | .9 | .2 | .1 | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AIR GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | | .1 | .1 | | | | | | | .3 | 7.7 |
| NNF | .8 | .9 | .2 | .2 | | | | | | | 2.0 | 5.4 |
| NF | .9 | 2.4 | 2.3 | .4 | | | | | | | 5.9 | 6.2 |
| ENE | 1.2 | 7.8 | 4.3 | .4 | .5 | | | | | | 14.3 | 6.6 |
| E | 4.7 | 17.2 | 12.7 | 1.9 | .5 | .4 | .3 | | | | 37.8 | 6.8 |
| ESE | 1.1 | 5.7 | 4.7 | .8 | .3 | .8 | .3 | | | | 13.7 | 6.3 |
| SE | .3 | 1.3 | 2.0 | 1.4 | .4 | .3 | .3 | .2 | .1 | | 6.5 | 12.8 |
| SSE | .3 | .1 | .5 | .4 | .4 | .2 | | .4 | .1 | | 2.6 | 17.5 |
| S | .1 | | .4 | .2 | | | | | | | .8 | 4.9 |
| SSW | .2 | .2 | | | | | | | | | .4 | 4.3 |
| SW | .2 | .1 | .1 | | | | | | | | .4 | 4.0 |
| WSW | | | | | | | | | | | | |
| W | .2 | .8 | .3 | | | | | | | | 1.3 | 5.3 |
| WNW | .1 | .1 | .1 | | | | | | | | .3 | 4.3 |
| NW | | | .1 | | | | | | | | .1 | 7.0 |
| NNW | .1 | .1 | | | | | | | | | .2 | 2.5 |
| VARIABLE | 2.4 | 1.4 | .3 | .1 | | | | | | | 4.2 | 3.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | 9.1 | //// |
| TOTALS | 12.7 | 55.1 | 28.3 | 6.0 | 2.3 | 1.7 | 1.0 | .6 | .2 | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .3 | | .3 | | | | | | | | .6 | 5.8 |
| NNE | .1 | .2 | .2 | | | | | | | | .5 | 6.2 |
| NE | .5 | 2.3 | 2.7 | .5 | .2 | | | | | | 6.2 | 7.3 |
| ENE | 1.5 | 7.3 | 5.5 | .9 | | .1 | | | | | 15.3 | 6.5 |
| E | 4.1 | 19.0 | 12.7 | 1.4 | .8 | .4 | .6 | | | | 39.0 | 7.0 |
| ESE | 1.4 | 4.8 | 5.1 | 1.0 | 1.1 | .3 | .1 | .1 | | | 13.9 | 9.4 |
| SE | .4 | 1.3 | 2.0 | 1.0 | .5 | .2 | .4 | .2 | | | 6.1 | 11.8 |
| SSE | .2 | .4 | .2 | .5 | .6 | .3 | .2 | | .1 | | 2.7 | 15.9 |
| S | .1 | .1 | .1 | | | | | | | | .2 | 5.3 |
| SSW | .1 | .1 | .1 | | | | | | | | .3 | 5.7 |
| SW | .4 | | | | | | | | | | .4 | 2.3 |
| WSW | | | | | | | | | | | | |
| W | .2 | .3 | | | | | | | | | .5 | 3.6 |
| WNW | .1 | | .1 | | | | | | | | .2 | 5.0 |
| NW | | .2 | .1 | | | | | | | | .3 | 6.0 |
| NNW | .1 | .2 | | | | | | | | | .3 | 3.7 |
| VARIABLE | 2.0 | 1.2 | | | | | | | | | 3.2 | 3.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | 9.9 | //// |
| TOTALS | 11.7 | 37.5 | 29.1 | 5.3 | 3.2 | 1.4 | 1.4 | .3 | .1 | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .2 | | .1 | | | | | | | .3 | 7.3 |
| NNE | .0 | .3 | .2 | .1 | | | | | | | .9 | 6.1 |
| NE | .5 | 2.3 | 2.2 | .8 | .1 | .1 | | | | | 5.9 | 7.4 |
| ENE | 1.6 | 8.1 | 4.5 | 1.0 | .2 | | | | | | 15.4 | 6.5 |
| E | 3.0 | 15.6 | 13.8 | 1.5 | .5 | .2 | | .4 | | | 34.9 | 7.1 |
| ESE | 2.0 | 5.4 | 4.9 | 1.4 | 1.0 | .4 | .2 | | | | 15.4 | 6.3 |
| SE | .1 | 1.7 | 1.3 | 1.2 | .6 | .3 | .2 | | .3 | | 5.8 | 13.1 |
| SSE | .2 | .5 | .6 | .9 | .5 | .3 | .8 | | | | 3.9 | 15.9 |
| S | .3 | .1 | | .1 | | | | | | | .5 | 4.4 |
| SSW | | | | | | | | | | | | |
| SW | .2 | .2 | .1 | | | | | | | | .5 | 4.4 |
| WSW | | .1 | | | | | | | | | .1 | 4.0 |
| W | .4 | .2 | | | | | | | | | .6 | 5.8 |
| WNW | .2 | | | | | | | | | | .2 | 3.0 |
| NW | | .1 | | | | | | | | | .1 | 4.0 |
| NNW | | .1 | | | | | | | | | .1 | 4.0 |
| VARIABLE | 2.8 | .9 | .1 | | | | | | | | 3.8 | 2.9 |
| CALM | //////////////////// | | | | | | | | | | 11.5 | //// |
| TOTALS | 11.7 | 35.7 | 27.7 | 7.0 | 3.0 | 1.4 | 1.2 | .4 | .3 | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | | | .1 | | | | | | | | .4 | 4.5 |
| NNE | .1 | .6 | | .1 | | | | | | | | .9 | 5.6 |
| NE | .5 | 2.8 | 1.9 | .5 | .2 | | | | | | | 6.0 | 7.0 |
| ENE | 1.6 | 9.1 | 4.3 | .4 | .2 | .2 | | | | | | 15.9 | 6.4 |
| E | 4.8 | 17.0 | 13.2 | 1.4 | .5 | .3 | .1 | .2 | | | | 37.6 | 6.8 |
| ESE | 1.2 | 5.9 | 3.9 | .6 | .8 | .6 | .3 | .1 | | | | 13.4 | 8.7 |
| SE | .5 | 1.1 | 1.5 | 1.1 | 1.0 | | .3 | .1 | .1 | .3 | | 6.0 | 14.4 |
| SSE | | .6 | .3 | .9 | .4 | .3 | .1 | .1 | .1 | | | 2.9 | 15.6 |
| S | | .2 | .4 | | | | .1 | | | | | .8 | 10.4 |
| SSW | | .1 | .1 | | | | | | | | | .2 | 6.5 |
| SW | .1 | .2 | .1 | | | | | | | | | .4 | 5.3 |
| WSW | .2 | | .1 | | | | | | | | | .3 | 4.3 |
| W | .6 | .4 | | | | | | | | | | 1.1 | 3.5 |
| WNW | | | | | | | | | | | | | |
| NW | | .1 | | | | | | | | | | .1 | 5.0 |
| NNW | | .2 | | | | | | | | | | .2 | 4.5 |
| VARIABLE | 2.2 | 1.2 | .1 | .1 | | | | | | | | 3.5 | 3.6 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.1 | //// |
| TOTALS | 12.3 | 39.7 | 26.0 | 5.3 | 3.1 | 1.5 | 1.0 | .5 | .2 | .3 | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(EST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .2 | | | | | | | | | .3 | 4.3 |
| NNE | .4 | .3 | .2 | | | | | | | | 1.0 | 4.6 |
| NE | 1.1 | 3.5 | 2.7 | .1 | | | | | | | 7.4 | 5.9 |
| ENE | 1.8 | 6.1 | 4.0 | .3 | | .1 | | | | | 14.3 | 5.9 |
| E | 4.8 | 17.5 | 10.9 | 1.8 | .2 | .5 | | .3 | | | 36.1 | 6.6 |
| ESE | 1.1 | 6.7 | 3.4 | 1.5 | .9 | 1.0 | .3 | | | | 14.9 | 9.5 |
| SE | .2 | 1.1 | 1.4 | 1.8 | .5 | .8 | .2 | | .2 | .1 | 6.3 | 14.3 |
| SSE | .7 | .1 | .2 | .8 | .4 | | .1 | | | | 1.9 | 13.1 |
| S | | .3 | .5 | .2 | | | .1 | | | | 1.2 | 10.4 |
| SSW | .1 | | | | | | | | | | .1 | 2.0 |
| SW | | .2 | .1 | | | | | | | | .3 | 5.0 |
| WSW | .2 | | .1 | | | | | | | | .3 | 4.0 |
| W | | .4 | .1 | .1 | | | | | | | .6 | 7.2 |
| WNW | | .1 | .1 | | | | | | | | .2 | 8.0 |
| NW | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | |
| VARIABLE | 3.9 | 1.3 | .5 | .4 | .1 | | | | | | 6.2 | 4.2 |
| CALM | //////////////////// | | | | | | | | | | 9.7 | //// |
| TOTALS | 14.1 | 39.5 | 24.3 | 7.1 | 2.2 | 2.4 | .8 | .3 | .2 | .1 | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | | | | | | | | | .1 | 6.0 |
| NNE | .4 | .1 | .3 | .1 | | | | | | | 1.0 | 6.3 |
| NE | 1.3 | 3.2 | 2.0 | .8 | | | | | | | 7.3 | 6.3 |
| ENE | 1.0 | 6.4 | 4.1 | .6 | .1 | | | | | | 15.2 | 6.0 |
| E | 4.1 | 17.2 | 11.5 | 1.4 | 1.2 | .6 | .3 | .1 | | | 36.5 | 7.1 |
| ESE | 1.2 | 6.2 | 3.7 | 1.1 | .4 | .4 | .2 | .1 | | | 13.3 | 8.2 |
| SE | .4 | 1.5 | 1.4 | 1.4 | 1.5 | .5 | .2 | .1 | .1 | | 7.2 | 13.5 |
| SSE | .1 | .2 | .2 | .6 | .4 | .3 | .1 | .2 | .1 | | 2.4 | 12.4 |
| S | | .3 | .5 | .1 | | | | | | | 1.0 | 8.3 |
| SSW | .1 | | | | | | | | | | .1 | 2.0 |
| SW | .2 | .4 | | | | | | | | | .6 | 4.8 |
| WSW | .2 | .3 | .1 | | | | | | | | .6 | 4.8 |
| W | .2 | .6 | .1 | | .1 | | | | | | 1.1 | 6.2 |
| WNW | | | | .1 | | | | | | | .1 | 16.0 |
| NW | .1 | | | | | | | | | | .1 | 2.0 |
| NNW | | | .1 | | | | | | | | .1 | 10.0 |
| VARIABLE | 3.4 | 1.2 | .1 | | | | | | | | 4.7 | 3.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | 8.6 | //// |
| TOTALS | 13.4 | 59.9 | 24.2 | 6.2 | 3.8 | 1.9 | .9 | .5 | .2 | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | .1 | .0 | | | | | | | | .3 | 5.9 |
| NNE | .3 | .5 | .3 | .1 | .0 | | | | | | | 1.2 | 6.1 |
| NE | .7 | 2.8 | 2.4 | .5 | .1 | .0 | | | | | | 6.5 | 6.8 |
| ENE | 1.7 | 7.9 | 4.5 | .6 | .2 | .1 | | | | | | 15.0 | 6.3 |
| E | 4.5 | 16.9 | 12.5 | 1.6 | .6 | .5 | .2 | .1 | | | | 37.0 | 6.9 |
| ESE | 1.3 | 5.8 | 4.3 | 1.0 | .7 | .5 | .3 | .1 | | | | 14.1 | 8.4 |
| SE | .3 | 1.4 | 1.5 | 1.2 | .7 | .5 | .3 | .1 | .1 | .1 | | 6.2 | 13.3 |
| SSE | .2 | .3 | .3 | .7 | .4 | .3 | .2 | .1 | .1 | | | 2.7 | 16.1 |
| S | .2 | .2 | .3 | .1 | .1 | | .0 | | | | | .8 | 8.3 |
| SSW | .1 | .1 | .0 | .0 | | .0 | | | | | | .2 | 6.5 |
| SW | .2 | .2 | .1 | | | | | | | | | .5 | 4.0 |
| WSW | .1 | .1 | .1 | | | | | | | | | .3 | 4.7 |
| W | .3 | .4 | .1 | .0 | .0 | | | | | | | .8 | 4.8 |
| WNW | .1 | .1 | .0 | .0 | | | | | | | | .2 | 6.1 |
| NW | .1 | .1 | .0 | | | | | | | | | .1 | 4.1 |
| NNW | .0 | .1 | .0 | | | | | | | | | .1 | 4.3 |
| VARIABLE | 2.7 | 1.3 | .2 | .1 | .0 | | | | | | | 4.4 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 9.4 | //// |
| TOTALS | 13.0 | 38.3 | 26.8 | 6.0 | 2.8 | 1.9 | 1.0 | .4 | .2 | .1 | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | | .1 | | | | | | | | | .2 | 6.5 |
| NNF | .2 | | | | | | | | | | | .2 | 2.0 |
| NE | .8 | 2.2 | .2 | | | | | | | | | 3.3 | 4.4 |
| ENE | 1.8 | 9.9 | 4.4 | .1 | | | | | | | | 16.2 | 5.6 |
| E | 6.5 | 18.8 | 9.3 | 1.4 | .5 | .1 | .1 | .1 | | | | 36.9 | 6.0 |
| ESE | 3.0 | 4.4 | 3.4 | .8 | .2 | .2 | .1 | | | | | 12.2 | 6.6 |
| SE | .5 | 1.1 | 1.1 | 1.3 | .4 | .2 | .2 | .2 | | | | 5.0 | 12.4 |
| SSE | .4 | .5 | .8 | 1.8 | .2 | .1 | | | | | | 3.8 | 11.0 |
| S | .2 | .7 | .6 | .4 | .2 | | | | | | | 2.1 | 8.7 |
| SSW | .4 | .1 | .2 | | .1 | | | | | | | .9 | 6.9 |
| SW | .4 | .2 | | | | | | | | | | .6 | 2.8 |
| WSW | .1 | .6 | | | | | | | | | | .7 | 4.0 |
| W | 1.2 | .6 | .4 | | | | | | | | | 2.1 | 4.0 |
| WNW | .1 | .1 | .2 | | | | | | | | | .5 | 5.8 |
| NW | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| NNW | | .1 | | | | | | | | | | .1 | 6.0 |
| VARIABLE | 3.4 | 1.2 | | .1 | | | | | | | | 4.7 | 2.8 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.3 | //// |
| TOTALS | 19.1 | 40.7 | 20.8 | 5.9 | 1.7 | .7 | .5 | .4 | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(UT): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | | | | | | | | | | | | |
| NNE | | .1 | | | | | | | | | | .1 | 4.0 |
| NE | 1.1 | 2.7 | .1 | | | | | | | | | 3.9 | 4.2 |
| ENE | 1.5 | 8.4 | 5.6 | .2 | | .1 | | | | | | 15.8 | 6.1 |
| E | 9.2 | 16.7 | 11.9 | .8 | | | | | | | | 38.7 | 5.7 |
| ESE | 2.7 | 4.7 | 3.0 | .7 | .2 | .1 | .1 | .4 | | | | 11.9 | 7.4 |
| SE | .2 | .7 | 1.7 | .7 | .7 | | .1 | .4 | | | | 4.5 | 12.6 |
| SSE | .2 | .7 | .6 | 1.3 | .1 | .1 | .1 | | | | | 3.2 | 10.8 |
| S | .4 | .5 | .4 | .5 | | | | | | | | 1.7 | 7.9 |
| SSW | | .1 | .2 | .1 | | | | | | | | .5 | 8.5 |
| SW | .2 | .2 | .2 | | | | | | | | | .7 | 5.8 |
| WSW | .6 | .6 | .1 | | | | | | | | | 1.5 | 4.0 |
| W | .6 | .4 | .4 | | | | | | | | | 1.5 | 4.4 |
| WNW | | | .1 | | | | | | | | | .1 | 9.0 |
| NW | | | | | | | | | | | | | |
| NNW | .1 | .4 | | | | | | | | | | .5 | 4.8 |
| VARIABLE | 3.1 | 1.3 | .5 | | | | | | | | | 4.9 | 5.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 11.0 | //// |
| TOTALS | 20.0 | 37.5 | 24.7 | 4.4 | 1.1 | .4 | .4 | .7 | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0600-0600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | |
| NE | .9 | 1.9 | .4 | | | | | | | | 5.1 | 4.6 |
| ENE | 2.4 | 2.3 | 4.1 | .1 | .1 | | | | | | 16.1 | 5.4 |
| E | 3.3 | 18.0 | 11.5 | .5 | .5 | | | | | | 39.7 | 5.5 |
| ESE | 2.6 | 6.4 | 3.4 | .5 | .4 | .2 | .1 | | | | 15.6 | 6.4 |
| SE | .4 | 1.3 | 1.7 | .9 | .7 | .1 | .2 | .1 | | | 5.4 | 11.1 |
| SSE | | .2 | .8 | 1.5 | .1 | .1 | .1 | | | | 3.0 | 13.5 |
| S | .5 | .4 | .8 | .1 | .2 | .1 | | | | | 2.1 | 8.9 |
| SSW | | .1 | .1 | | | | | | | | .2 | 6.0 |
| SW | .4 | .1 | | | | | | | | | .5 | 3.3 |
| WSW | .6 | .2 | | | | | | | | | .8 | 3.1 |
| W | .9 | .4 | .1 | | | | | | | | 1.4 | 3.0 |
| WNW | .1 | .2 | | | | | | | | | .4 | 3.7 |
| W | | | | | | | | | | | | |
| NNW | .1 | .1 | | | | | | | | | .2 | 4.0 |
| VARIABLE | 2.7 | 1.1 | .1 | | | | | | | | 3.7 | 3.2 |
| CALM | //////////////////////////////////// | | | | | | | | | | 10.9 | //// |
| TOTALS | 19.7 | 40.0 | 23.0 | 7.7 | 2.0 | .6 | .5 | .1 | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(EST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .2 | | | | | | | | | .2 | 5.0 |
| NNE | .1 | | | | | | | | | | .1 | 3.0 |
| NE | 1.2 | 2.6 | .7 | | | | | | | | 4.5 | 4.6 |
| NNE | 3.4 | 6.7 | 2.8 | .1 | .1 | | | | | | 15.2 | 5.1 |
| E | 9.8 | 18.9 | 11.0 | 1.2 | .2 | | | | | | 41.1 | 5.5 |
| ESE | 3.0 | 5.6 | 3.9 | .2 | | .6 | .2 | | | | 13.5 | 6.9 |
| SE | .5 | .6 | .9 | .8 | .5 | .5 | .6 | .1 | | | 4.5 | 14.6 |
| SSE | .6 | .6 | .7 | 1.2 | .2 | .2 | | | | | 3.5 | 10.5 |
| S | .2 | .1 | 1.2 | .2 | .1 | | | | | | 1.9 | 8.6 |
| SSW | .1 | | | | | | | | | | .1 | 1.0 |
| SW | .4 | .2 | | | | | | | | | .6 | 3.4 |
| WSW | .2 | .5 | .1 | | | | | | | | .8 | 4.7 |
| W | .2 | .2 | .4 | | | | | | | | .8 | 5.0 |
| WNW | | | | | | | | | | | | |
| NW | | | | | | | | | | | | |
| NNW | | .1 | | | | | | | | | .1 | 4.0 |
| VARIABLE | 2.0 | 2.5 | .5 | .1 | | | | | | | 5.1 | 4.2 |
| CALM | //////////////////////////////////// | | | | | | | | | | 7.8 | //// |
| TOTALS | 21.7 | 40.9 | 22.2 | 3.9 | 1.2 | 1.3 | .8 | .1 | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAF/FLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(EST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .1 | | | | | | | | | .2 | 3.5 |
| NNE | .1 | | | | | | | | | | .1 | 3.0 |
| NE | .9 | 2.7 | .4 | | .1 | | | | | | 4.1 | 4.9 |
| ENE | 2.4 | 9.8 | 2.4 | .2 | .1 | | | | | | 14.9 | 5.1 |
| E | 9.7 | 19.1 | 8.5 | 1.2 | .4 | .2 | | | | | 39.1 | 5.5 |
| ESE | 2.0 | 5.3 | 3.2 | .5 | .4 | .5 | | | | | 11.8 | 6.9 |
| SE | .9 | 1.2 | 1.4 | .6 | .4 | .4 | 1.1 | .1 | | | 6.0 | 12.9 |
| SSE | | .2 | .5 | .9 | | .4 | .2 | | | | 2.2 | 14.9 |
| S | .2 | .1 | .4 | .2 | | | | | | | .9 | 7.5 |
| SSW | .5 | .2 | | | | | | | | | .7 | 2.3 |
| SW | .1 | .1 | | | | | | | | | .2 | 3.0 |
| WSW | .1 | .4 | .1 | | | | | | | | .6 | 4.6 |
| W | .6 | 1.3 | .5 | | | | | | | | 2.4 | 4.6 |
| WNW | | .1 | | | | | | | | | .1 | 4.0 |
| NW | | .1 | | | | | | | | | .1 | 4.0 |
| NNW | .1 | | | | | | | | | | .1 | 1.0 |
| VARIABLE | 2.7 | 2.0 | 1.1 | .5 | | | | | | | 6.3 | 4.7 |
| CALM | //////////////////// | | | | | | | | | | 9.9 | //// |
| TOTALS | 20.6 | 42.9 | 18.3 | 4.1 | 1.2 | 1.4 | 1.3 | .1 | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .1 | .1 | | | | | | | | .4 | 5.7 |
| NNE | .1 | | | | | | | | | | .1 | 3.0 |
| NE | .5 | 2.4 | .6 | | | | | | | | 3.4 | 5.0 |
| ENE | 1.9 | 10.0 | 3.0 | | .2 | .1 | | | | | 15.2 | 5.5 |
| E | 8.5 | 20.1 | 8.9 | .5 | .7 | .7 | | | | | 38.4 | 5.4 |
| ESE | 1.8 | 6.3 | 4.1 | .9 | .4 | | .2 | | | | 13.7 | 7.0 |
| SE | .7 | 1.3 | .9 | 1.3 | .6 | .7 | .6 | .2 | | | 6.4 | 13.8 |
| SSE | .1 | .2 | .5 | .6 | .4 | .4 | .6 | | | | 2.7 | 17.3 |
| S | .1 | .2 | .7 | .2 | .2 | | | | | | 1.5 | 10.3 |
| SSW | .1 | .2 | .1 | | | | | | | | .5 | 4.5 |
| SW | .1 | | | | | | | | | | .1 | 3.0 |
| WSW | .5 | .2 | .1 | .1 | | | | | | | .9 | 4.5 |
| W | .5 | .4 | .2 | | .1 | | | | | | 1.2 | 6.4 |
| WNW | .2 | .2 | .1 | | | | | | | | .6 | 4.2 |
| NW | .2 | .1 | | | | | | | | | .4 | 3.0 |
| NNW | | | | | | | | | | | | |
| VARIABLE | .9 | 2.0 | .4 | .2 | | | | | | | 3.5 | 5.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | 10.9 | //// |
| TOTALS | 16.4 | 43.9 | 19.7 | 3.9 | 2.1 | 1.4 | 1.4 | .2 | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1900-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | | | | | | | | | | | .2 | 2.5 |
| NNF | .1 | | | | | | | | | | | .1 | 2.0 |
| NE | .9 | 1.9 | .4 | .1 | | | | | | | | 3.3 | 5.0 |
| ENE | 1.8 | 9.6 | 3.5 | .2 | .1 | .2 | | | | | | 15.5 | 5.9 |
| E | 2.6 | 19.4 | 9.0 | .7 | .2 | .2 | | | | | | 39.1 | 5.5 |
| ESE | 2.1 | 5.8 | 3.3 | .5 | .8 | .2 | .1 | .1 | | | | 13.0 | 7.5 |
| SE | .4 | 1.2 | 2.0 | 1.2 | .7 | .5 | .6 | .1 | | | | 6.6 | 13.1 |
| SSE | | .1 | 1.1 | .6 | .1 | .1 | .1 | | | | | 2.1 | 12.5 |
| S | .1 | .4 | .6 | .1 | .1 | | | | | | | 1.3 | 5.2 |
| SSW | .5 | .1 | | | | | | | | | | .6 | 2.6 |
| SW | .4 | .2 | | | | | | | | | | .6 | 2.8 |
| WSW | .4 | .2 | | .2 | | | | | | | | .3 | 5.9 |
| W | .4 | .7 | .1 | .1 | | | | | | | | 1.3 | 5.1 |
| WNW | .4 | .4 | .1 | | | | | | | | | .8 | 4.7 |
| NW | | .4 | | | | | | | | | | .4 | 4.0 |
| NNW | .1 | .1 | .1 | | | | | | | | | .4 | 6.3 |
| VARIABLE | 1.1 | 1.6 | .1 | | | | | | | | | 3.0 | 4.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.9 | //// |
| TOTALS | 10.3 | 42.2 | 20.3 | 3.8 | 2.1 | 1.3 | .8 | .2 | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: D42020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | | | | | | | | | | | .1 | 2.0 |
| NNE | .2 | .1 | | | | | | | | | | .4 | 3.3 |
| NE | .2 | 1.9 | .2 | | | | | | | | | 2.4 | 5.0 |
| ENE | 2.4 | 10.4 | 3.2 | .1 | .1 | .2 | | | | | | 16.4 | 5.6 |
| E | 9.1 | 17.7 | 9.2 | .9 | .5 | .1 | .1 | | | | | 37.7 | 5.6 |
| ESE | 2.6 | 5.1 | 3.5 | .6 | .7 | .4 | .1 | .2 | | | | 13.2 | 7.8 |
| SE | .5 | 2.6 | 1.5 | .8 | .4 | .8 | .1 | | | | | 6.7 | 10.3 |
| SSE | .2 | .6 | .8 | 1.4 | .7 | .1 | | | | | | 3.4 | 11.1 |
| S | .4 | .4 | .6 | .4 | .2 | .1 | | | | | | 2.0 | 9.6 |
| SSW | .2 | | | .1 | | | | | | | | .4 | 4.7 |
| SW | .1 | | .1 | | | | | | | | | .2 | 5.0 |
| WSW | .7 | .2 | .2 | | | | | | | | | 1.2 | 4.2 |
| W | .2 | .6 | .4 | | | | | | | | | 1.2 | 5.5 |
| WNW | .1 | .1 | | | | | | | | | | .2 | 4.0 |
| NW | .2 | | | | | | | | | | | .2 | 2.5 |
| NNW | .4 | .1 | | | | | | | | | | .5 | 2.0 |
| VARIABLE | 2.4 | .5 | .1 | .1 | | | | | | | | 3.1 | 3.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.6 | //// |
| TOTALS | 20.1 | 40.3 | 20.0 | 4.5 | 2.1 | 1.8 | .4 | .2 | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .1 | .0 | | | | | | | | .2 | 4.5 |
| NNE | .1 | .0 | | | | | | | | | .1 | 4.9 |
| NE | .6 | 2.3 | .4 | .0 | .0 | | | | | | 3.3 | 4.7 |
| ENE | 2.2 | 9.5 | 3.6 | .1 | .1 | .1 | | | | | 15.7 | 6.6 |
| E | 8.8 | 15.6 | 9.9 | .9 | .7 | .1 | .0 | .0 | | | 34.7 | 6.6 |
| ESE | 2.5 | 5.4 | 3.5 | .6 | .4 | .3 | .1 | .1 | | | 12.9 | 7.0 |
| SE | .5 | 1.2 | 1.4 | 1.0 | .5 | .4 | .4 | .2 | | | 5.6 | 12.5 |
| SSE | .2 | .4 | .7 | 1.2 | .2 | .2 | .1 | | | | 3.0 | 12.4 |
| S | .3 | .3 | .7 | .3 | .1 | .0 | | | | | 1.7 | 9.6 |
| SSW | .2 | .1 | .1 | .0 | .0 | | | | | | .5 | 4.8 |
| SW | .3 | .1 | .0 | | | | | | | | .4 | 3.6 |
| WSW | .4 | .4 | .1 | .0 | | | | | | | .9 | 4.3 |
| W | .6 | .6 | .3 | .0 | .0 | | | | | | 1.5 | 4.7 |
| WNW | .1 | .1 | .1 | | | | | | | | .3 | 4.7 |
| NW | .1 | .1 | | | | | | | | | .2 | 7.7 |
| NNW | .1 | .1 | .0 | | | | | | | | .2 | 4.3 |
| VARIABLE | 2.2 | 1.6 | .3 | .1 | | | | | | | 4.3 | 3.9 |
| CALM | //////////////////////////////////// | | | | | | | | | | 10.3 | //// |
| TOTALS | 19.4 | 41.0 | 21.1 | 4.3 | 1.7 | 1.1 | .8 | .3 | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-85
MONTH: MAR HOURS (LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | .1 | | | | | | | | | .3 | 2.7 |
| NNE | | .2 | | .1 | | | | | | | .3 | 6.0 |
| NE | .6 | 1.8 | .3 | .1 | | | | | | | 2.9 | 5.4 |
| ENE | 1.9 | 10.0 | 4.6 | .2 | | | | .1 | | | 16.8 | 5.6 |
| E | 4.0 | 16.9 | 12.5 | 1.5 | .5 | .2 | .1 | | .1 | | 37.8 | 6.6 |
| ESE | 1.2 | 5.3 | 4.6 | 1.3 | .4 | .1 | .1 | .1 | | | 13.1 | 7.8 |
| SE | .2 | 1.7 | 1.9 | 2.5 | 1.5 | .8 | | .2 | .2 | | 9.0 | 13.8 |
| SSE | .3 | .3 | .5 | .9 | .9 | .9 | .4 | | | | 4.2 | 16.2 |
| S | .3 | .1 | .1 | .2 | .1 | | | | | | .3 | 8.4 |
| SSW | .1 | .1 | | | | | | | | | .2 | 7.0 |
| SW | .3 | .3 | | | | | | | | | .6 | 7.2 |
| WSW | .6 | .1 | .2 | | | | | | | | 1.1 | 9.1 |
| W | .4 | .5 | | | | | | | | | 1.0 | 4.0 |
| WNW | .4 | .2 | | | | | | | | | .6 | 7.2 |
| NW | .1 | .1 | .1 | | | | | | | | .3 | 5.7 |
| NNW | | | | | | | | | | | | |
| VARIABLE | 1.9 | 1.1 | .2 | .2 | | | | | | | 3.4 | 7.9 |
| CALM | //////////////////////////////////// | | | | | | | | | | 7.3 | //// |
| TOTALS | 12.8 | 41.0 | 25.2 | 7.0 | 3.4 | 1.9 | .6 | .4 | .3 | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(IST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | .2 | .2 | | | | | | | .5 | 9.4 |
| NNF | | | .1 | | | | | | | | .1 | 9.0 |
| NE | .4 | 2.3 | .4 | .3 | .1 | | | | | | 3.5 | 6.3 |
| ENE | 2.9 | 9.4 | 4.1 | .3 | | | | | | | 16.7 | 5.4 |
| E | 2.7 | 20.6 | 10.6 | 1.6 | | .5 | | | | | 36.1 | 6.3 |
| ESE | 1.0 | 6.3 | 3.3 | 1.0 | .6 | .4 | .1 | | | | 12.8 | 8.0 |
| SE | .4 | 1.9 | 1.6 | 1.4 | 1.2 | 1.0 | .2 | .4 | .2 | | 8.4 | 14.5 |
| SSE | .1 | .2 | .6 | 1.2 | .4 | .3 | .8 | | | | 3.7 | 16.5 |
| S | .2 | .1 | .3 | | | .1 | | | | | .8 | 8.7 |
| SSW | | .2 | .1 | | | | | | | | .3 | 6.0 |
| SW | .2 | | | .1 | | | | | | | .3 | 5.0 |
| WSW | .2 | .1 | .2 | | | | | | | | .5 | 5.2 |
| W | .6 | .8 | .1 | .1 | | | | | | | 1.6 | 5.0 |
| WNW | | .2 | | | | | | | | | .2 | 4.5 |
| NW | .1 | | | | | | | | | | .1 | 3.0 |
| NNW | .3 | | | | | | | | | | .3 | 1.7 |
| VARIABLE | 2.7 | .5 | .4 | .1 | | | | | | | 3.8 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | 10.2 | //// |
| TOTALS | 11.9 | 42.8 | 22.3 | 6.3 | 2.4 | 2.4 | 1.1 | .4 | .2 | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | | .1 | | .1 | | .1 | | | | .5 | 12.0 |
| NNE | | .1 | | | .1 | | | | | | .2 | 12.0 |
| NE | .5 | 1.5 | .2 | | | | | | | | 2.3 | 4.8 |
| ENE | 2.6 | 11.6 | 4.1 | .4 | | | | | | | 18.7 | 5.5 |
| E | 4.9 | 19.4 | 9.9 | 1.7 | .2 | | | | | | 36.1 | 5.9 |
| ESE | 1.2 | 5.1 | 3.4 | .9 | .5 | .2 | | | | | 11.3 | 7.2 |
| SE | .9 | 2.4 | 2.0 | 1.7 | 1.1 | .6 | .2 | .3 | | | 9.2 | 11.7 |
| SSE | | .1 | .3 | 1.0 | .4 | .8 | .8 | .1 | | | 3.4 | 20.3 |
| S | .1 | .1 | .2 | .4 | .1 | | .1 | | | | 1.1 | 11.9 |
| SSW | .2 | .1 | .2 | | | | | | | | .5 | 5.0 |
| SW | .2 | .2 | .2 | | | | | | | | .6 | 4.5 |
| WSW | .2 | .8 | | | | | | | | | 1.0 | 4.4 |
| W | .8 | 1.2 | .1 | | | | | | | | 2.0 | 3.8 |
| WNW | .4 | .4 | | | | | | | | | .9 | 3.5 |
| NW | .1 | .2 | | | | | | | | | .3 | 3.7 |
| NNW | .1 | .1 | | | | | | | | | .2 | 4.0 |
| VARIABLE | 3.5 | 1.1 | .2 | | | | | | | | 4.8 | 2.9 |
| CALM | //////////////////////////////////// | | | | | | | | | | 6.7 | //// |
| TOTALS | 16.0 | 44.3 | 21.1 | 6.1 | 2.6 | 1.6 | 1.2 | .4 | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(IST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL Σ | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | | .1 | | | | | | | | | .1 | 8.0 |
| NNE | | .1 | | | | | | | | | | .1 | 4.0 |
| NE | 1.5 | 1.8 | .4 | .1 | | | | | | | | 3.9 | 4.3 |
| ENE | 1.6 | 8.7 | 3.3 | .1 | | | | | | | | 13.8 | 5.4 |
| E | 5.1 | 20.8 | 8.0 | .6 | .4 | | | | | | | 34.9 | 5.6 |
| ESE | 2.5 | 6.2 | 4.3 | .6 | .5 | | .1 | .2 | | | | 14.5 | 7.1 |
| SE | .9 | 1.7 | 1.8 | 1.4 | .5 | .6 | .2 | | | | | 7.2 | 10.7 |
| SSE | .5 | .1 | .6 | .8 | .6 | .5 | .4 | .1 | | | | 3.8 | 16.1 |
| S | .4 | .2 | .3 | .5 | .1 | | .1 | | | | | 1.7 | 17.1 |
| SSW | | .3 | .2 | | | | | | | | | .5 | 6.6 |
| SW | .5 | .4 | | | | | | | | | | 1.0 | 3.2 |
| WSW | .3 | .8 | .1 | | | | | | | | | 1.2 | 4.5 |
| W | .5 | 1.1 | | | | | | | | | | 1.6 | 3.8 |
| WNW | .7 | .1 | | | | | | | | | | .3 | 3.3 |
| NW | | .1 | | | | | | | | | | .1 | 4.0 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | 2.9 | 1.5 | .2 | .1 | .1 | | | | | | | 4.8 | 3.9 |
| CALM | //////////////////// | | | | | | | | | | | 10.5 | //// |
| TOTALS | 17.0 | 44.0 | 19.5 | 4.3 | 2.4 | 1.7 | .9 | .3 | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(1ST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-5 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | .1 | | | | | | | | | .3 | 3.0 |
| NNE | | | .1 | .2 | | | | | | | .3 | 11.0 |
| NE | .8 | 2.0 | .8 | .1 | | | | | | | 3.7 | 5.0 |
| ENE | 3.1 | 7.1 | 1.1 | .2 | | | | | | | 11.5 | 4.4 |
| E | 7.8 | 17.2 | 4.5 | .5 | | .1 | | | .1 | | 30.3 | 5.0 |
| ESE | 3.4 | 4.1 | 2.4 | 1.3 | .2 | .3 | .2 | .1 | | | 12.0 | 7.1 |
| SF | .6 | 1.8 | 1.7 | 1.5 | 1.7 | .6 | .2 | .1 | | | 8.4 | 12.2 |
| SSE | .5 | .1 | .5 | 1.0 | .6 | .5 | .3 | .3 | | | 4.0 | 16.5 |
| S | .2 | .1 | | .4 | .2 | .3 | | | | | 1.3 | 14.4 |
| SSW | .4 | | .1 | | | | | | | | .5 | 3.6 |
| SW | .6 | .3 | .1 | | | | | | | | 1.1 | 3.8 |
| WSW | .5 | 1.2 | .2 | | | | | | | | 1.9 | 4.6 |
| W | .6 | .3 | .2 | .1 | | | | | | | 1.3 | 4.4 |
| WNW | .1 | .3 | .2 | .1 | | | | | | | .8 | 6.1 |
| NW | .1 | | | | | | | | | | .1 | 2.0 |
| NNW | .2 | .1 | | | | | | | | | .3 | 4.0 |
| VARIABLE | 3.2 | 1.4 | .4 | | | | .1 | | | | 5.2 | 4.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | 17.0 | //// |
| TOTALS | 27.7 | 36.2 | 12.4 | 5.5 | 2.8 | 1.9 | .9 | .5 | .1 | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(IST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | | | | | | | | | | |
| NNE | .3 | | | | | | | | | | .3 | 2.7 |
| NE | 1.2 | 1.9 | .3 | .1 | | | | | | | 3.5 | 4.4 |
| ENE | 4.1 | 5.9 | 1.3 | .6 | | | .1 | .1 | | | 12.2 | 5.1 |
| E | 7.0 | 17.2 | 4.9 | .5 | .3 | .2 | | | | | 37.2 | 5.3 |
| ESE | 4.2 | 4.7 | 1.9 | .6 | .4 | .4 | .1 | .1 | | | 12.6 | 6.7 |
| SE | 1.1 | 1.3 | 1.4 | 1.5 | 1.0 | 1.0 | .5 | .2 | | | 8.0 | 13.5 |
| SSE | .2 | .4 | .4 | .9 | 1.0 | .6 | .5 | .2 | | | 4.3 | 17.8 |
| S | .3 | .4 | .4 | | .3 | | | | | | 1.5 | 8.9 |
| SSW | .1 | | .1 | | | .1 | | | | | .3 | 11.3 |
| SW | .4 | .1 | | | | | | | | | .5 | 7.2 |
| WSW | 1.1 | .5 | | | | | | | | | 1.6 | 2.7 |
| W | .6 | 1.2 | .1 | | | | | | | | 1.9 | 4.1 |
| WNW | | .2 | | | | | | | | | .2 | 4.0 |
| NW | .2 | | | | | | | | | | .2 | 2.0 |
| NNW | .2 | | | | | | | | | | .2 | 2.0 |
| VARIABLE | 2.0 | 1.6 | .6 | .2 | | | | | | | 4.5 | 4.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | 17.8 | //// |
| TOTALS | 23.1 | 35.6 | 11.6 | 4.5 | 3.0 | 2.4 | 1.3 | .6 | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| NNE | | | | | | | | | | | | | |
| NE | 1.7 | 2.8 | .3 | .2 | | | | | | | | 5.1 | 4.6 |
| ENE | 1.5 | 8.3 | 3.0 | .3 | | | | | | | | 13.2 | 5.4 |
| E | 7.5 | 18.1 | 8.9 | 1.6 | .3 | .2 | | | | | | 36.7 | 5.8 |
| ESE | 1.6 | 4.6 | 3.7 | .9 | .8 | .3 | | .1 | | | | 11.9 | 8.0 |
| SE | 1.3 | 1.4 | 1.8 | 1.2 | 1.0 | .9 | .3 | .3 | .4 | | | 8.6 | 14.0 |
| SSE | .3 | .2 | .5 | .4 | 1.1 | .8 | .8 | .1 | | | | 4.2 | 18.3 |
| S | .2 | .5 | .2 | .2 | .1 | .2 | .2 | | | | | 1.7 | 12.9 |
| SSW | .3 | .2 | .1 | .1 | | | | | | | | .8 | 5.9 |
| SW | .3 | .1 | | | | | | | | | | .4 | 3.0 |
| WSW | .9 | .6 | | .2 | | | | | | | | 1.6 | 4.7 |
| W | .2 | 1.1 | .2 | | | | | | | | | 1.5 | 5.0 |
| WNW | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| NW | .1 | | | | | | | | | | | .1 | 2.0 |
| NNW | .1 | .1 | | .1 | | | | | | | | .3 | 7.0 |
| VARIABLE | 1.1 | .9 | .2 | .3 | | | | | | | | 2.7 | 5.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.8 | //// |
| TOTALS | 17.6 | 39.1 | 19.0 | 5.6 | 3.2 | 2.4 | 1.3 | .5 | .4 | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS (LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | | | | | | | | | | | .1 | 3.0 |
| NNE | .2 | | | | | | | | | | | .2 | 2.5 |
| NE | .6 | 2.6 | .1 | .1 | | | | | | | | 3.4 | 4.7 |
| ENE | 2.3 | 8.0 | 3.9 | .4 | | .1 | | | | | | 14.6 | 5.7 |
| E | 5.2 | 19.5 | 12.0 | 2.0 | .4 | .1 | | .2 | | | | 39.5 | 6.5 |
| ESE | 1.5 | 5.9 | 5.7 | .5 | .1 | .3 | .3 | .1 | | | | 14.5 | 7.6 |
| SE | .9 | 1.8 | .9 | 1.5 | .8 | 1.0 | .1 | .2 | .2 | .2 | | 7.5 | 14.8 |
| SSE | .1 | .4 | .6 | 1.1 | .9 | 1.2 | .4 | .1 | | | | 4.8 | 17.3 |
| S | .2 | .4 | .2 | .2 | .1 | .1 | | | | | | 1.3 | 9.7 |
| SSW | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| SW | .2 | .2 | | | | | | | | | | .4 | 3.8 |
| WSW | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| W | .2 | .1 | .3 | | | | | | | | | .6 | 5.5 |
| WNW | .1 | .1 | | | | | | | | | | .2 | 3.5 |
| NW | | .1 | | | | | | | | | | .1 | 6.0 |
| NNW | | .1 | | | | | | | | | | .1 | 5.0 |
| VARIABLE | 1.6 | 1.9 | .6 | .2 | | | | | | | | 4.4 | 4.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.6 | //// |
| TOTALS | 13.4 | 41.4 | 24.4 | 6.1 | 2.3 | 2.8 | .9 | .5 | .2 | .2 | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LEST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .1 | .1 | .0 | .0 | | .0 | | | | .3 | 7.1 |
| NNE | .1 | .1 | .0 | .0 | .0 | | | | | | .2 | 7.1 |
| NE | .9 | 2.1 | .4 | .1 | .0 | | | | | | 3.5 | 4.8 |
| ENE | 2.5 | 8.6 | 3.2 | .3 | | .0 | .0 | .0 | | | 14.7 | 5.4 |
| E | 5.5 | 19.0 | 8.9 | 1.3 | .3 | .2 | .0 | .0 | .0 | | 35.2 | 5.9 |
| ESE | 2.1 | 5.3 | 3.7 | .9 | .5 | .3 | .1 | .1 | | | 12.8 | 7.4 |
| SE | .8 | 1.8 | 1.7 | 1.6 | 1.1 | .8 | .2 | .2 | .1 | .0 | 8.3 | 13.2 |
| SSE | .3 | .2 | .5 | .9 | .7 | .7 | .6 | .1 | | | 4.0 | 17.3 |
| S | .1 | .3 | .2 | .3 | .1 | .1 | .1 | | | | 1.5 | 10.7 |
| SSW | .7 | .1 | .1 | .0 | | .0 | | | | | .4 | 5.7 |
| SW | .4 | .2 | .0 | .0 | | | | | | | .6 | 3.5 |
| WSW | .5 | .5 | .1 | .0 | | | | | | | 1.1 | 4.2 |
| W | .5 | .8 | .1 | .0 | | | | | | | 1.5 | 4.4 |
| WNW | .2 | .2 | .0 | .0 | | | | | | | .4 | 4.1 |
| NW | .1 | .1 | .0 | | | | | | | | .2 | 3.8 |
| NNW | .1 | .1 | | .0 | | | | | | | .2 | 3.9 |
| VARIABLE | 2.4 | 1.2 | .4 | .1 | .0 | | .0 | | | | 4.2 | 4.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | 11.0 | //// |
| TOTALS | 16.8 | 40.6 | 19.4 | 5.7 | 2.8 | 2.1 | 1.0 | .5 | .2 | .0 | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .1 | | | | | | | | | | .1 | 4.0 |
| NNE | .1 | | | | | | | | | | | .1 | 2.0 |
| NE | 1.3 | 1.8 | .4 | | | | | | | | | 3.6 | 4.1 |
| ENE | 3.8 | 6.6 | .6 | | | | | | | | | 10.9 | 4.1 |
| E | 7.6 | 17.9 | 8.8 | 1.2 | .7 | .3 | | | | | | 36.4 | 5.9 |
| ESE | 2.4 | 6.7 | 2.8 | 1.4 | .2 | .2 | | .3 | .2 | | | 14.3 | 7.8 |
| SE | .8 | 1.2 | 2.3 | 1.7 | 1.1 | .8 | .6 | .2 | | | | 9.7 | 13.2 |
| SSE | .3 | .4 | .8 | 1.2 | | .4 | .1 | .1 | | | | 3.4 | 12.8 |
| S | .1 | .2 | .4 | 1.3 | .7 | .1 | | | | | | 2.9 | 13.8 |
| SSW | .1 | .2 | .1 | | | | | | | | | .4 | 4.5 |
| SW | .3 | | .2 | | | | | | | | | .6 | 4.6 |
| WSW | .4 | .1 | .2 | | | | | | | | | .8 | 3.9 |
| W | .7 | .7 | .1 | | | | | | | | | 1.4 | 3.8 |
| WNW | | .3 | | .1 | | | | | | | | .4 | 6.0 |
| NW | .2 | | | | | | | | | | | .2 | 2.5 |
| NNW | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| VARIABLE | 1.3 | 1.0 | .1 | | | | | | | | | 2.4 | 3.5 |
| CALM | //////////////////// | | | | | | | | | | | 13.0 | //// |
| TOTALS | 19.7 | 37.3 | 16.9 | 7.0 | 2.7 | 1.9 | .7 | .7 | .2 | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS (LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | .1 | | | | | | | | | .3 | 5.7 |
| NNE | .1 | | .1 | | | | | | | | | .2 | 5.0 |
| NL | 1.4 | .8 | .2 | .1 | | | | | | | | 2.6 | 4.3 |
| ENE | 4.2 | 6.2 | .9 | .2 | .1 | | | | | | | 11.7 | 4.4 |
| E | 7.7 | 20.6 | 6.7 | 1.0 | .3 | .1 | | | | | | 36.3 | 5.3 |
| ESE | 2.7 | 6.0 | 3.4 | 1.6 | .3 | | | .4 | | | | 14.4 | 7.3 |
| SE | 1.0 | 1.6 | .9 | 1.2 | .4 | .9 | .2 | | | | | 6.2 | 11.4 |
| SSE | .2 | .2 | 1.0 | 1.3 | .9 | .9 | .6 | | | | | 5.1 | 16.5 |
| S | .1 | .1 | .3 | .9 | .2 | .2 | | | | | | 1.8 | 13.2 |
| SSW | .2 | .1 | .1 | .1 | | | | | | | | .6 | 6.4 |
| SW | .1 | | .1 | | | | | | | | | .2 | 5.0 |
| WSW | .2 | .3 | | | | | | | | | | .6 | 4.2 |
| W | .3 | .3 | .2 | | | | | | | | | .9 | 4.5 |
| WNW | | .2 | | | | | | | | | | .2 | 4.5 |
| NW | .1 | .2 | | | | | | | | | | .3 | 3.3 |
| NNW | .3 | .1 | | | | | | | | | | .4 | 2.5 |
| VARIABLE | 1.8 | 1.0 | .4 | .1 | .2 | | | | | | | 3.6 | 5.3 |
| CALM | //////////////////// | | | | | | | | | | | 14.6 | //// |
| TOTALS | 20.7 | 37.9 | 14.6 | 6.4 | 2.6 | 2.1 | .8 | .4 | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | | | | | | | | | .1 | 6.0 |
| NNE | .1 | | | | | | | | | | .1 | 2.0 |
| NE | 1.0 | 1.2 | .3 | | .1 | | | | | | 2.7 | 4.9 |
| NNE | 5.9 | 6.1 | 1.0 | .3 | .1 | | | | | | 13.4 | 4.2 |
| E | 10.6 | 17.0 | 3.7 | .1 | .2 | .1 | .3 | | | | 32.0 | 4.9 |
| ESE | 3.6 | 6.4 | 2.4 | .9 | .6 | .3 | .3 | .1 | | | 14.7 | 7.2 |
| SE | 1.0 | 1.6 | 1.0 | .8 | .7 | .9 | .2 | | | | 6.1 | 11.4 |
| SSE | .1 | .1 | .8 | 1.6 | .3 | 1.1 | .1 | | | | 4.1 | 16.0 |
| S | | | .3 | .2 | .2 | .1 | | | | | .9 | 15.1 |
| SSW | | | .1 | | | | | | | | .1 | 7.0 |
| SW | .2 | | | | | | | | | | .2 | 2.0 |
| WSW | .1 | .3 | .2 | | | | | | | | .7 | 5.3 |
| W | .4 | .9 | .1 | | | | | | | | 1.4 | 4.1 |
| WNW | .2 | .2 | | | | | | | | | .4 | 3.5 |
| NW | .3 | .1 | | | | | | | | | .4 | 2.8 |
| NNW | .1 | | | | | | | | | | .1 | 3.0 |
| VARIABLE | 2.3 | 1.2 | .2 | .6 | | | | | | | 4.3 | 4.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | 18.1 | //// |
| TOTALS | 26.0 | 35.3 | 10.2 | 4.4 | 2.7 | 2.6 | 1.0 | .1 | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .2 | 4.0 |
| NNE | .1 | | | | | | | | | | | .1 | 3.0 |
| NE | 1.0 | .2 | .1 | .2 | | | | | | | | 1.6 | 4.9 |
| NNE | 7.0 | 2.7 | .2 | .4 | | .1 | | | | | | 10.4 | 7.7 |
| E | 11.0 | 11.7 | 1.3 | .6 | .2 | .1 | | | | | | 24.9 | 4.1 |
| ESE | 2.6 | 3.6 | 1.0 | 1.1 | .3 | .6 | .2 | | | | | 9.5 | 7.7 |
| SE | 1.2 | 1.3 | 1.1 | .8 | 1.2 | .8 | .3 | | | | | 6.8 | 12.0 |
| SSE | .2 | .2 | .8 | .6 | .6 | 1.1 | .1 | | | | | 3.6 | 15.3 |
| S | | .1 | .7 | .1 | .9 | | | | | | | 1.8 | 14.2 |
| SSW | | .3 | | | | | | | | | | .7 | 5.3 |
| SW | .3 | .3 | .1 | | | | | | | | | .8 | 4.0 |
| WSW | 1.0 | .7 | .2 | | | | | | | | | 1.9 | 4.1 |
| W | 3.2 | 1.6 | .2 | .1 | | | | | | | | 5.1 | 3.4 |
| WNW | .4 | .7 | | | | | | | | | | .8 | 3.1 |
| NW | .2 | | .1 | | | | | | | | | .3 | 4.0 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | 2.7 | 1.4 | .1 | .1 | | | | | | | | 4.3 | 1.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 27.8 | //// |
| TOTALS | 31.1 | 24.6 | 6.0 | 4.0 | 3.2 | 2.7 | .7 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | | | | | | | | | .1 | 4.0 |
| NNE | | | .2 | | | | | | | | .2 | 8.0 |
| NE | .6 | | | | .1 | | | | | | .7 | 5.2 |
| ENE | 3.0 | .6 | .2 | .3 | | | | | | | 4.1 | 3.8 |
| E | 7.0 | 4.6 | .9 | .2 | .4 | .1 | | | | | 13.2 | 4.3 |
| ESE | 2.2 | 1.9 | .9 | .9 | .4 | .9 | .1 | | | | 7.3 | 9.0 |
| SE | .7 | 1.1 | .9 | 1.1 | .7 | .8 | .2 | | | | 5.4 | 12.4 |
| SSE | .7 | .3 | .7 | 1.4 | 1.1 | .8 | | | | | 4.7 | 14.3 |
| S | .5 | | .6 | 1.0 | .3 | .1 | | | | | 2.6 | 11.6 |
| SSW | .4 | | | | | | | | | | .4 | 2.5 |
| SW | 1.1 | .2 | | | | | | | | | 1.3 | 2.4 |
| WSW | 3.1 | .7 | | | | | | | | | 3.8 | 2.5 |
| W | 5.8 | .8 | .6 | | .1 | .1 | | | | | 9.3 | 3.5 |
| WNW | 1.1 | .6 | .3 | | | | | | | | 2.0 | 3.6 |
| NW | .4 | .2 | .1 | | | | | | | | .8 | 3.7 |
| NNW | .3 | .3 | | | | | | | | | .7 | 3.2 |
| VARIABLE | 3.0 | .6 | .2 | .1 | | | | | | | 3.9 | 3.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | 39.4 | //// |
| TOTALS | 29.7 | 13.9 | 5.6 | 5.1 | 3.2 | 2.8 | .3 | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(UT): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | | | | | | | | | | .1 | 2.0 |
| NNE | .1 | | | | | | | | | | .1 | 3.0 |
| NE | .1 | | | .1 | | | | | | | .2 | 8.0 |
| ENE | 1.9 | .9 | .1 | | | | | | | | 2.9 | 3.5 |
| E | 6.1 | 4.4 | 1.1 | 1.2 | .3 | | | | | | 13.2 | 4.9 |
| ESE | 1.7 | 2.0 | .8 | .9 | .9 | .6 | .1 | .2 | | | 7.1 | 10.2 |
| SE | .9 | .8 | 1.0 | 1.0 | .6 | 1.2 | .2 | .1 | | | 6.8 | 13.6 |
| SSE | .3 | 1.0 | .6 | 1.4 | .7 | .4 | | | | | 4.4 | 12.0 |
| S | .1 | .4 | .4 | 1.3 | .8 | | | | | | 3.1 | 12.8 |
| SSW | .6 | .2 | | .2 | | | | | | | 1.0 | 7.1 |
| SW | 1.2 | .7 | .3 | | | | | | | | 2.2 | 4.1 |
| WSW | 3.1 | .9 | | | | | | | | | 4.0 | 2.7 |
| W | 6.8 | 2.7 | .2 | | | | | | | | 9.7 | 3.0 |
| WNW | 1.6 | 1.2 | .2 | | | | | | | | 3.1 | 4.0 |
| NW | .7 | .3 | .1 | | | | | | | | 1.1 | 3.6 |
| NNW | .2 | .1 | | | | | | | | | .3 | 3.0 |
| VARIABLE | 2.7 | .7 | | | | | | | | | 3.3 | 2.4 |
| CALM | //////////////////////////////////// | | | | | | | | | | 38.2 | //// |
| TOTALS | 28.1 | 16.3 | 5.0 | 6.2 | 3.2 | 2.2 | .3 | .3 | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | | | | | | | | | .1 | 6.0 |
| NNE | | .1 | | | | | | | | | .1 | 4.0 |
| NE | .9 | .3 | | .1 | | | | | | | 1.3 | 3.8 |
| ENE | 3.8 | 2.9 | | .1 | | | | | | | 6.8 | 2.3 |
| E | 8.7 | 9.0 | 1.2 | .6 | | .2 | | | | | 19.7 | 4.3 |
| ESE | 2.3 | 4.4 | 1.8 | 1.7 | .4 | .7 | | | .3 | | 11.7 | 8.9 |
| SE | 1.4 | 1.4 | 2.2 | 1.0 | .6 | .6 | .2 | .2 | | | 7.7 | 10.5 |
| SSE | .7 | .9 | .7 | 1.1 | .6 | .7 | .3 | | | | 4.9 | 12.7 |
| S | .2 | .4 | .9 | .9 | .8 | | | | | | 3.2 | 11.9 |
| SSW | .2 | .1 | | | | | | | | | .3 | 2.3 |
| SW | .4 | .6 | .3 | | | | | | | | 1.3 | 4.5 |
| WSW | 1.1 | .2 | .3 | | | | | | | | 1.7 | 3.9 |
| W | 3.8 | 2.7 | .4 | | | | | | | | 6.9 | 3.5 |
| WNW | 1.6 | .7 | | | | | | | | | 2.2 | 3.1 |
| NW | .6 | .2 | | | | | | | | | .8 | 3.3 |
| NNW | .2 | .1 | .1 | | | | | | | | .4 | 4.5 |
| VARIABLE | 2.3 | .4 | .1 | .1 | | | | | | | 3.0 | 3.1 |
| CALM | //////////////////// | | | | | | | | | | 27.9 | //// |
| TOTALS | 28.2 | 24.7 | 8.1 | 5.6 | 2.3 | 2.1 | .6 | .2 | .1 | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GF 56 | | |
| N | | .2 | | | | | | | | | | .2 | 5.0 |
| NNE | | | | | | | | | | | | | |
| NE | .6 | .3 | .2 | .1 | | | | | | | | 1.2 | 5.0 |
| ENE | 4.2 | 7.1 | .7 | | .1 | | | | | | | 12.1 | 4.2 |
| E | 8.1 | 16.3 | 4.3 | .2 | .2 | | | | | | | 31.2 | 4.8 |
| ESE | 3.2 | 6.0 | 2.9 | .9 | .7 | .1 | .1 | .3 | | .3 | | 14.6 | 8.3 |
| SE | .8 | 2.2 | 2.3 | 2.2 | .9 | .9 | .3 | .1 | | | | 9.8 | 11.7 |
| SSE | .3 | .2 | .9 | 1.0 | .3 | .6 | .3 | | | | | 3.7 | 14.4 |
| S | .4 | .3 | .1 | .8 | .9 | | | | | | | 2.6 | 11.9 |
| SSW | .1 | | .1 | .2 | | | | | | | | .4 | 9.8 |
| SW | .3 | .3 | | .1 | | | | | | | | .8 | 5.0 |
| WSW | .4 | .6 | | | | | | | | | | 1.0 | 3.3 |
| W | 1.0 | .7 | .4 | | | | | | | | | 2.1 | 4.3 |
| WNW | .1 | .1 | .1 | | | | | | | | | .3 | 4.7 |
| NW | | .2 | | | | | | | | | | .2 | 4.5 |
| NNW | .2 | | | | | | | | | | | .2 | 3.0 |
| VARIABLE | 2.1 | 1.1 | .2 | .1 | | .1 | | | | | | 3.7 | 4.3 |
| CALM | //////////////////// | | | | | | | | | | | 15.9 | //// |
| TOTALS | 22.0 | 37.8 | 12.3 | 5.7 | 3.1 | 1.7 | .8 | .4 | | .3 | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .0 | .1 | .0 | | | | | | | | .2 | 4.8 |
| NNE | .1 | .0 | .0 | | | | | | | | .1 | 4.4 |
| NE | .9 | .6 | .2 | .1 | .0 | | | | | | 1.7 | 4.5 |
| ENE | 4.2 | 4.1 | .5 | .2 | .0 | .0 | | | | | 9.0 | 4.0 |
| E | 8.1 | 12.9 | 3.5 | .6 | .3 | .1 | .0 | | | | 25.9 | 4.9 |
| ESE | 2.6 | 4.6 | 2.0 | 1.2 | .5 | .4 | .1 | .2 | .1 | .0 | 11.7 | 6.1 |
| SE | 1.0 | 1.4 | 1.5 | 1.2 | .8 | .8 | .3 | .1 | | | 7.1 | 12.0 |
| SSE | .3 | .4 | .8 | 1.2 | .6 | .7 | .2 | .0 | | | 4.2 | 14.3 |
| S | .2 | .2 | .5 | .9 | .6 | .1 | | | | | 2.3 | 12.8 |
| SSW | .2 | .1 | .1 | .1 | | | | | | | .5 | 5.3 |
| SW | .5 | .3 | .1 | .0 | | | | | | | .9 | 4.0 |
| WSW | 1.2 | .5 | .1 | | | | | | | | 1.8 | 3.2 |
| W | 2.7 | 1.5 | .7 | .1 | | .0 | | | | | 4.6 | 3.5 |
| WNW | .6 | .5 | .1 | .0 | | | | | | | 1.2 | 3.8 |
| NW | .3 | .2 | .0 | | | | | | | | .5 | 3.5 |
| NNW | .2 | .1 | .0 | | | | | | | | .3 | 3.2 |
| VARIABLE | 2.3 | .9 | .1 | .1 | .0 | .0 | | | | | 3.6 | 3.8 |
| CALM | //////////////////////////////////// | | | | | | | | | | 24.4 | //// |
| TOTALS | 25.7 | 28.5 | 9.8 | 5.6 | 2.8 | 2.2 | .6 | .3 | .1 | .0 | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 7,000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | | | | | | | | | .1 | 4.0 |
| NNE | .3 | | | | | | | | | | .3 | 2.0 |
| NE | .9 | .4 | | | | | | | | | 1.3 | 3.4 |
| ENE | 3.4 | 2.9 | .1 | .1 | | | | | | | 6.6 | 3.5 |
| E | 7.0 | 10.1 | 3.3 | .9 | .2 | | .1 | | | | 21.6 | 5.1 |
| ESE | 2.0 | 6.5 | 3.2 | .9 | .2 | .2 | | .3 | | | 13.3 | 7.0 |
| SE | .5 | 1.6 | 2.5 | 1.7 | .4 | .2 | | | | | 7.0 | 9.2 |
| SSE | .1 | .5 | 1.2 | .9 | .5 | | | | | | 3.2 | 10.9 |
| S | .5 | .8 | .6 | .4 | | | | | | | 2.4 | 7.4 |
| SSW | .4 | .1 | | | | | | | | | .5 | 2.6 |
| SW | 1.0 | .2 | | | | | | | | | 1.2 | 2.5 |
| WSW | 1.9 | .5 | | | | | | | | | 2.5 | 2.6 |
| W | 3.2 | 2.8 | .3 | | | | | | | | 6.3 | 3.6 |
| WNW | 1.6 | .8 | | | | | | | | | 2.4 | 2.9 |
| NW | .5 | .1 | | | | | | | | | .6 | 2.5 |
| NNW | .3 | .2 | .1 | | | | | | | | .6 | 4.2 |
| VARIABLE | 1.8 | .6 | | | .1 | | | | | | 2.6 | 3.5 |
| CALM | //////////////////// | | | | | | | | | | 27.4 | //// |
| TOTALS | 25.7 | 26.3 | 11.4 | 4.8 | 1.5 | .4 | .1 | .3 | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | | | | | | | | | | | .2 | 2.5 |
| NNE | .3 | .1 | .1 | | .1 | | | | | | | .6 | 6.7 |
| NE | 1.1 | .9 | .2 | .1 | | | | | | | | 2.3 | 4.2 |
| ENE | 2.9 | 2.5 | .3 | .2 | .1 | | | | | | | 6.0 | 4.1 |
| E | 8.6 | 12.9 | 2.8 | .6 | .1 | | | .1 | | | | 25.2 | 4.8 |
| ESE | 2.4 | 5.5 | 2.9 | .9 | .1 | .3 | .2 | | | | | 12.2 | 6.8 |
| SE | .6 | 1.8 | 2.9 | .6 | .3 | .2 | .2 | | | | | 6.8 | 9.4 |
| SSE | .3 | .5 | 1.2 | 1.3 | .2 | .2 | | | | | | 3.8 | 10.7 |
| S | .2 | .4 | .2 | .8 | | | | | | | | 1.6 | 8.6 |
| SSW | .3 | .2 | .1 | | | | | | | | | .6 | 4.2 |
| SW | .5 | .3 | .1 | | | | | | | | | 1.0 | 7.4 |
| WSW | .6 | .9 | | | | | | | | | | 1.5 | 3.4 |
| W | 1.6 | 1.8 | .2 | | | | | | | | | 3.7 | 3.7 |
| WNW | 1.0 | .4 | | | | | | | | | | 1.4 | 2.8 |
| NW | .3 | .1 | | | | | | | | | | .4 | 2.5 |
| NNW | .2 | .2 | | | | | | | | | | .4 | 3.5 |
| VARIABLE | 2.6 | .9 | .1 | | .1 | | | | | | | 3.7 | 3.3 |
| CALM | //////////////////// | | | | | | | | | | | 28.7 | //// |
| TOTALS | 23.9 | 29.5 | 11.2 | 4.4 | 1.1 | .8 | .5 | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | | | | | | | | | | .2 | 2.0 |
| NNE | .3 | .1 | | | | | | | | | .4 | 3.0 |
| NE | 1.4 | .3 | .3 | .1 | | .1 | | | | | 2.3 | 5.0 |
| ENE | 1.9 | 1.4 | .9 | | .1 | | | | | | 4.3 | 4.6 |
| E | 7.0 | 7.5 | 1.4 | .6 | .1 | .1 | .3 | | | | 17.5 | 4.9 |
| ESE | 1.8 | 5.2 | .9 | 1.2 | .3 | .3 | | | | | 9.7 | 6.9 |
| SE | 1.6 | 2.6 | 2.3 | 1.4 | .3 | | | | | | 8.2 | 7.4 |
| SSE | .2 | .9 | .9 | 1.3 | .6 | .4 | .1 | | | | 4.4 | 12.5 |
| S | .6 | .8 | .3 | .8 | | .1 | | | | | 2.6 | 7.8 |
| SSW | .3 | .1 | | | | | | | | | .4 | 2.3 |
| SW | .5 | .5 | .2 | | | | | | | | 1.3 | 4.2 |
| WSW | 2.2 | .6 | | | | | | | | | 2.8 | 2.9 |
| W | 5.8 | 2.8 | .5 | | | | | | | | 9.1 | 3.3 |
| WNW | 1.0 | 1.0 | | | | | | | | | 1.9 | 3.2 |
| NW | .6 | .4 | | | | | | | | | 1.1 | 3.3 |
| NNW | .4 | .2 | | | | | | | | | .6 | 3.0 |
| VARIABLE | 3.3 | 1.4 | | .1 | | | | | | | 4.8 | 3.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | 28.3 | //// |
| TOTALS | 29.8 | 25.4 | 7.6 | 5.5 | 1.5 | 1.1 | .4 | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS (LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .1 | | | | | | | | | .2 | 3.0 |
| NNF | .1 | .3 | | | | | | | | | .4 | 3.5 |
| NE | .3 | | .2 | | | .1 | | | | | .6 | 8.3 |
| ENE | .6 | .4 | .2 | | | .7 | | | | | 1.6 | 8.1 |
| E | 3.7 | 2.7 | 1.4 | 1.6 | | .5 | | | | | 9.9 | 6.9 |
| ESE | 1.3 | 1.3 | 1.2 | 1.1 | .2 | .4 | .1 | | | | 5.6 | 9.3 |
| SE | .8 | 1.4 | 1.7 | 2.4 | .8 | .3 | | | | | 7.3 | 10.4 |
| SSE | .4 | 1.1 | .9 | 1.4 | .3 | .3 | | | | | 4.4 | 10.4 |
| S | .4 | | .6 | .2 | | | | | | | 1.3 | 7.8 |
| SSW | .3 | .2 | .1 | | | | | | | | .6 | 4.0 |
| SW | 1.5 | .4 | | | | | | | | | 1.9 | 7.3 |
| WSW | 2.7 | 1.1 | .1 | | .1 | | | | | | 4.0 | 3.1 |
| W | 12.8 | 7.3 | .5 | | | | | | | | 23.6 | 3.2 |
| WNW | 2.9 | 1.6 | .1 | | | | | | | | 4.1 | 3.2 |
| NW | .8 | .5 | | | | | | | | | 1.3 | 3.6 |
| NNW | .4 | .2 | .2 | | | | | | | | .9 | 4.1 |
| VARIABLE | 1.5 | .5 | .5 | .3 | .1 | | | | | | 3.0 | 5.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | 32.2 | //// |
| TOTALS | 30.1 | 15.2 | 7.8 | 7.0 | 1.5 | 2.0 | .1 | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .2 | | | | | | | | | | .3 | 4.3 |
| NNE | .1 | | | | | | | | | | | .1 | 2.0 |
| NE | .4 | .2 | | | .1 | | | | | | | .4 | 5.3 |
| ENE | .5 | .1 | .4 | | | | | | | | | 1.1 | 4.9 |
| E | 1.8 | 1.3 | 1.6 | 1.7 | .5 | .1 | | | | | | 7.1 | 8.4 |
| ESE | .4 | .5 | .9 | 1.2 | 1.3 | .4 | .1 | | | | | 4.8 | 13.5 |
| SE | .5 | 1.1 | 1.3 | 1.6 | .5 | .5 | .1 | | | | | 5.7 | 11.1 |
| SSE | .6 | .2 | 1.2 | 1.0 | .5 | | | | | | | 3.5 | 10.5 |
| S | .3 | .4 | 1.0 | .6 | .2 | | | | | | | 2.6 | 9.1 |
| SSW | .3 | .4 | | .2 | | | | | | | | 1.0 | 5.7 |
| SW | 1.0 | .5 | .1 | | | | | | | | | 1.6 | 3.4 |
| WSW | 5.4 | 1.3 | | | | | | | | | | 6.7 | 2.5 |
| W | 15.4 | 10.4 | 1.8 | | | | | | | | | 28.0 | 3.5 |
| WNW | 3.8 | 4.3 | .9 | | | | | | | | | 8.9 | 3.9 |
| NW | .6 | .8 | .3 | | | | | | | | | 1.7 | 4.2 |
| NNW | .3 | .2 | | | | | | | | | | .5 | 3.4 |
| VARIABLE | 1.7 | 1.0 | .2 | | | | | | | | | 2.9 | 3.4 |
| CALM | //////////////////// | | | | | | | | | | | 22.7 | //// |
| TOTALS | 33.4 | 23.3 | 9.7 | 6.3 | 3.2 | 1.1 | .2 | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .3 | .1 | | | | | | | | | .4 | 2.8 |
| NNE | | .2 | | | | | | | | | .2 | 6.0 |
| NE | .2 | .3 | | .1 | | | | | | | .6 | 4.8 |
| ENE | .4 | | .1 | .1 | | | .1 | | | | .8 | 8.4 |
| E | 1.6 | 1.5 | 1.3 | .8 | .1 | .3 | | | | | 5.6 | 7.4 |
| ESE | .2 | .5 | .5 | 1.7 | 1.1 | .1 | | | | | 4.2 | 12.4 |
| SE | .5 | .2 | 1.6 | 2.7 | .3 | | | | | | 5.4 | 11.0 |
| SSE | .3 | .6 | .9 | 2.2 | .5 | .3 | | | | | 4.8 | 12.0 |
| S | 1.0 | .4 | .6 | .5 | .3 | | | | | | 2.9 | 7.7 |
| SSW | .1 | | | | | | | | | | .1 | 2.0 |
| SW | 1.3 | .6 | .1 | .2 | | | | | | | 2.3 | 3.9 |
| WSW | 5.4 | 1.5 | .3 | | | | | | | | 7.2 | 2.9 |
| W | 16.7 | 12.3 | 1.2 | .1 | | | | | | | 31.0 | 3.7 |
| WNW | 4.8 | 3.9 | .9 | | | | | | | | 9.6 | 3.7 |
| NW | .9 | 1.2 | | | | | | | | | 2.0 | 3.6 |
| NNW | .1 | .9 | .1 | | | | | | | | 1.1 | 4.6 |
| VARIABLE | 1.0 | .2 | | .1 | | | | | | | 1.3 | 3.4 |
| CALM | //////////////////////////////////// | | | | | | | | | | 20.5 | //// |
| TOTALS | 34.8 | 24.5 | 8.4 | 8.5 | 2.4 | .8 | .1 | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .3 | .1 | | | | | | | | | .4 | 3.3 |
| NNE | .1 | .2 | | | | | | | | | .3 | 4.0 |
| NE | | .1 | | | | | | | | | .1 | 5.0 |
| ENE | .5 | .6 | .3 | | | .1 | .1 | | | | 1.7 | 7.6 |
| E | 3.3 | 2.9 | .8 | 1.2 | .3 | | | | | | 8.5 | 5.9 |
| ESE | 1.5 | 1.3 | .9 | 1.2 | .5 | .1 | .1 | | | | 5.6 | 8.7 |
| SE | .5 | 1.0 | 1.5 | 2.0 | .4 | .2 | .1 | .1 | | | 5.9 | 11.2 |
| SSE | .6 | .3 | 1.5 | 1.5 | .1 | .2 | .1 | | | | 4.4 | 11.0 |
| S | | .2 | 1.1 | 1.0 | .1 | | | | | | 2.4 | 10.1 |
| SSW | .1 | .1 | .3 | | | | | | | | .5 | 6.4 |
| SW | .8 | .5 | .1 | | | | | | | | 1.4 | 3.3 |
| WSW | 3.9 | .8 | .2 | | | | | | | | 4.8 | 2.6 |
| W | 14.4 | 8.6 | 2.2 | | | | | | | | 25.2 | 3.5 |
| WNW | 3.7 | 2.9 | .3 | | | | | | | | 6.9 | 3.7 |
| NW | 1.2 | 1.1 | .4 | | | | | | | | 2.7 | 4.0 |
| NNW | .5 | .2 | .1 | | | | | | | | .9 | 3.5 |
| VARIABLE | 1.1 | .2 | | .1 | | | | | | | 1.4 | 3.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | 26.9 | //// |
| TOTALS | 32.6 | 21.2 | 9.7 | 7.0 | 1.5 | .6 | .4 | .1 | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .2 | .1 | | | | | | | | | .4 | 4.5 |
| NNE | .2 | .3 | | | | | | | | | | .5 | 3.6 |
| NF | .5 | .1 | | | | | | | | | | .6 | 2.7 |
| ENE | 1.0 | 1.5 | | .1 | | | | | | | | 2.6 | 4.3 |
| E | 5.5 | 6.2 | 1.0 | 1.1 | .4 | | .1 | | | | | 14.3 | 5.4 |
| ESE | 1.6 | 4.6 | 2.2 | .9 | .3 | | .1 | .1 | | | | 9.8 | 7.0 |
| SE | .8 | 1.0 | 2.3 | 2.7 | .1 | | .3 | | | | | 7.1 | 9.9 |
| SSE | .5 | .9 | 1.8 | 1.0 | .2 | | | | | | | 4.3 | 9.0 |
| S | .1 | .6 | .6 | .3 | .1 | | | | | | | 1.8 | 8.0 |
| SSW | .2 | | .1 | | | | | | | | | .3 | 4.7 |
| SW | 1.1 | .4 | .1 | | | | | | | | | 1.6 | 3.1 |
| WSW | 2.9 | 1.5 | | | | | | | | | | 4.4 | 2.9 |
| W | 7.7 | 4.0 | .9 | .1 | | | | | | | | 12.7 | 3.4 |
| WNW | 3.2 | 1.3 | | | | | | | | | | 4.5 | 2.7 |
| NW | 1.2 | .2 | | | | | | | | | | 1.4 | 2.5 |
| NNW | .6 | .4 | | | | | | | | | | 1.1 | 3.2 |
| VARIABLE | 1.3 | .4 | .1 | .1 | | | | | | | | 1.9 | 3.9 |
| CALM | //////////////////// | | | | | | | | | | | 37.5 | //// |
| TOTALS | 28.6 | 23.7 | 9.1 | 6.2 | 1.2 | | .5 | .1 | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | .1 | .0 | | | | | | | | | .3 | 7.4 |
| NNE | .2 | .2 | .0 | | .0 | | | | | | | .4 | 4.1 |
| NE | .6 | .3 | .1 | .0 | .0 | .0 | | | | | | 1.1 | 4.6 |
| ENE | 1.4 | 1.2 | .3 | .1 | .0 | .1 | .0 | | | | | 3.1 | 4.7 |
| E | 4.9 | 5.6 | 1.7 | 1.1 | .2 | .1 | .1 | | | | | 13.7 | 5.6 |
| ESE | 1.4 | 3.2 | 1.6 | 1.1 | .5 | .2 | .1 | .1 | | | | 6.1 | 8.1 |
| SE | .7 | 1.3 | 2.0 | 1.9 | .4 | .2 | .1 | .0 | | | | 6.7 | 9.8 |
| SEF | .4 | .6 | 1.2 | 1.3 | .4 | .2 | .0 | | | | | 4.1 | 10.9 |
| S | .4 | .5 | .6 | .6 | .1 | .0 | | | | | | 2.2 | 8.3 |
| SSW | .3 | .1 | .1 | .0 | | | | | | | | .5 | 4.4 |
| SW | 1.0 | .5 | .1 | .0 | | | | | | | | 1.5 | 7.3 |
| WSW | 3.1 | 1.0 | .1 | | .0 | | | | | | | 4.2 | 2.8 |
| W | 9.7 | 6.3 | 1.0 | .0 | | | | | | | | 17.1 | 3.5 |
| WNW | 2.7 | 2.0 | .3 | | | | | | | | | 5.0 | 3.5 |
| NW | .8 | .6 | .1 | | | | | | | | | 1.4 | 3.5 |
| NNW | .4 | .3 | .1 | | | | | | | | | .8 | 3.7 |
| VARIABLE | 1.8 | .7 | .1 | .1 | .0 | | | | | | | 2.7 | 3.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 27.2 | //// |
| TOTALS | 29.9 | 24.4 | 9.4 | 6.2 | 1.7 | .8 | .3 | .1 | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(EST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | | .1 | | | | | | | | | .1 | 8.0 |
| NNE | .1 | .3 | .2 | .1 | | | | | | | | .8 | 6.4 |
| NE | | .3 | .2 | .1 | | .1 | | | | | | .8 | 10.0 |
| ENE | .7 | .3 | .2 | | | | | | | | | 1.2 | 4.5 |
| E | 1.3 | .9 | 1.3 | .3 | | .1 | | | | | | 4.0 | 6.5 |
| ESE | .3 | .7 | 1.1 | 1.2 | .6 | | .2 | | | | | 4.1 | 11.2 |
| SE | .3 | .2 | 1.2 | 1.3 | .8 | .4 | | | | | | 4.3 | 13.1 |
| SSE | | | 1.3 | 1.3 | .7 | .1 | | | | | | 3.4 | 13.2 |
| S | .3 | .2 | .6 | 1.1 | .6 | .2 | | | | | | 3.0 | 12.4 |
| SSW | .1 | | | | | | | | | | | .1 | 1.0 |
| SW | .6 | | | | | | | | | | | .6 | 1.8 |
| WSW | 2.1 | 1.1 | .3 | | | | | | | | | 3.6 | 3.5 |
| W | 13.4 | 6.4 | 2.0 | .2 | | | | | | | | 22.1 | 3.5 |
| WNW | 5.2 | 1.7 | .1 | | | | | | | | | 7.0 | 2.7 |
| NW | 1.2 | .4 | | | | | | | | | | 1.7 | 2.7 |
| NNW | .6 | .2 | | | | | | | | | | .8 | 2.9 |
| VARIABLE | 1.6 | 1.0 | | .1 | | | | | | | | 2.7 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 39.8 | //// |
| TOTALS | 27.7 | 13.9 | 9.8 | 5.9 | 2.6 | 1.0 | .2 | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS (LST): 0700-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .2 | .1 | | | | | | | | | .7 | 4.2 |
| NNE | | .1 | | | | | | | | | | .1 | 4.0 |
| NE | .4 | .2 | .2 | .3 | | | | | | | | 1.2 | 6.4 |
| ENE | .6 | .6 | .2 | .1 | .1 | | | | | | | 1.6 | 6.3 |
| E | 2.5 | 1.8 | 1.2 | 1.0 | .1 | | | | | | | 6.7 | 5.9 |
| ESE | .9 | .9 | .9 | .8 | .3 | | | | | | | 3.7 | 8.2 |
| SE | .6 | .4 | 1.8 | 1.2 | .9 | .1 | .2 | .1 | | | | 5.3 | 12.8 |
| SSE | | .7 | 1.1 | 1.8 | .8 | .1 | | | | | | 4.1 | 12.9 |
| S | .1 | .4 | .9 | .7 | .4 | | | | | | | 2.5 | 10.9 |
| SSW | .1 | | | | | | | | | | | .1 | 3.0 |
| SW | .7 | .3 | | | | | | | | | | 1.0 | 3.0 |
| WSW | 2.3 | .7 | .3 | | | | | | | | | 3.3 | 3.2 |
| W | 12.4 | 5.1 | 1.0 | .1 | | | | | | | | 19.7 | 3.1 |
| WNW | 4.3 | 1.6 | | | | | | | | | | 5.9 | 2.6 |
| W | .9 | .4 | | | | | | | | | | 1.3 | 2.8 |
| WNW | .3 | .2 | .2 | | | | | | | | | 1.2 | 3.6 |
| VARIABLE | 2.2 | .9 | | | | | | | | | | 3.1 | 2.4 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 39.4 | //// |
| TOTALS | 29.1 | 14.2 | 8.0 | 6.0 | 2.7 | .2 | .2 | .1 | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .1 | .1 | | | | | | | | | .6 | 3.8 |
| NNE | .1 | .2 | | | | | | | | | | .3 | 3.7 |
| NE | .2 | .1 | .2 | | | | | | | | | .5 | 4.8 |
| ENE | .7 | .6 | .1 | .1 | .2 | | | | | | | 1.7 | 6.4 |
| E | 1.3 | 1.0 | .9 | .6 | .2 | | | | | | | 4.0 | 7.1 |
| ESE | .1 | .1 | .9 | 1.2 | .4 | .1 | .1 | | | | | 3.0 | 13.3 |
| SE | .1 | .7 | .7 | .9 | .6 | .4 | | .1 | | | | 3.4 | 13.5 |
| SSE | | .7 | 1.2 | 1.6 | 1.0 | .2 | | | | | | 4.7 | 12.8 |
| S | .3 | .3 | 1.1 | .9 | .4 | .1 | | | | | | 3.2 | 10.8 |
| SSW | | .7 | | | | | | | | | | .3 | 6.0 |
| SW | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.5 |
| WSW | 3.7 | 1.3 | .3 | | | | | | | | | 5.3 | 3.3 |
| W | 18.3 | 10.1 | 1.6 | | | | | | | | | 30.0 | 3.3 |
| WNW | 4.2 | 3.2 | .2 | | | | | | | | | 7.7 | 3.5 |
| NW | .7 | .6 | .1 | | | | | | | | | 1.3 | 3.8 |
| NNW | .7 | .3 | | | | | | | | | | 1.0 | 3.0 |
| VARIABLE | 1.6 | 1.7 | | | | | | | | | | 3.2 | 3.5 |
| CAL" | //////////////////////////////////// | | | | | | | | | | | 28.4 | //// |
| TOTALS | 33.0 | 21.8 | 7.6 | 5.2 | 2.9 | .9 | .1 | .1 | | | | 100.0 | 3.9 |

AN NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| NNE | .1 | .1 | .1 | .2 | | | | | | | | .6 | 8.4 |
| NE | | .1 | | | | | | | | | | .1 | 4.0 |
| ENE | .1 | .2 | .1 | | | | | | | | | .4 | 4.8 |
| E | .4 | .7 | .3 | 1.6 | .4 | | | | | | | 3.4 | 10.7 |
| ESE | | | .6 | 1.4 | .6 | .1 | | | | | | 2.7 | 13.6 |
| SE | .1 | .3 | .4 | 1.8 | 1.1 | .3 | .2 | | | | | 4.3 | 15.1 |
| SSE | .1 | .1 | 1.0 | 2.0 | .6 | .3 | .1 | | | | | 4.2 | 13.7 |
| S | | .4 | 1.3 | 1.1 | .7 | .1 | | | | | | 3.7 | 12.5 |
| SSW | | .1 | | .1 | | | | | | | | .2 | 5.5 |
| SW | .3 | | | | | | | | | | | .3 | 2.7 |
| WSW | 5.9 | 1.3 | .2 | | | | | | | | | 7.4 | 2.7 |
| W | 21.0 | 16.7 | 2.4 | .2 | | | | | | | | 42.3 | 3.7 |
| WNW | 4.4 | 5.0 | .7 | .1 | | | | | | | | 10.2 | 3.9 |
| NW | 1.4 | .7 | .1 | | | | | | | | | 2.2 | 3.5 |
| NNW | .8 | .2 | | | | | | | | | | 1.0 | 3.0 |
| VARIABLE | 1.8 | .6 | .3 | | | | | | | | | 2.7 | 3.5 |
| CALM | //////////////////// | | | | | | | | | | | 13.9 | //// |
| TOTALS | 36.7 | 28.7 | 7.7 | 8.6 | 3.3 | .9 | .3 | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | | .1 | | | | | | | .2 | 10.0 |
| NNE | .1 | | | .3 | .1 | | | | | | .6 | 12.4 |
| NE | | .2 | .1 | | | | | | | | .3 | 6.7 |
| ENE | .3 | .4 | .2 | .3 | | | | | | | 1.3 | 7.7 |
| E | .2 | .1 | .2 | 1.6 | .3 | | | | | | 2.4 | 12.8 |
| ESE | .1 | .3 | 1.1 | 1.2 | .8 | .7 | | | | | 4.2 | 13.8 |
| SE | .2 | .3 | 1.1 | 1.4 | 1.0 | .7 | | | | | 4.8 | 13.7 |
| SSE | | .2 | 1.2 | 1.9 | .6 | .3 | | | | | 4.2 | 13.6 |
| S | .1 | .4 | .6 | 2.4 | .4 | .3 | | | | | 4.3 | 13.6 |
| SSW | | | | | | | | | | | | |
| SW | .3 | | | | | | | | | | .3 | 2.0 |
| WSW | 5.1 | 1.3 | | .1 | | | | | | | 6.6 | 2.9 |
| W | 16.8 | 24.8 | 4.2 | .1 | | | | | | | 45.9 | 4.1 |
| WNW | 2.9 | 8.1 | 1.0 | | | | | | | | 12.0 | 4.4 |
| NW | 1.3 | 1.0 | | | | | | | | | 2.3 | 3.4 |
| NNW | .1 | | | | | | | | | | .1 | 2.0 |
| VARIABLE | 1.0 | 1.2 | .1 | .1 | | | | | | | 2.4 | 4.2 |
| CALM | //////////////////////////////////// | | | | | | | | | | 7.9 | //// |
| TOTALS | 28.7 | 36.7 | 9.9 | 9.7 | 3.2 | 2.0 | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .2 | .1 | .2 | | | | | | | | .6 | 9.8 |
| NNE | | .2 | .1 | .1 | | | | | | | | .4 | 7.5 |
| NE | | .1 | .2 | | | | | | | | | .3 | 8.0 |
| ENE | .1 | .1 | .2 | | | | | | | | | .4 | 5.5 |
| E | .2 | .1 | .1 | 1.6 | .7 | .1 | | | | | | 2.3 | 13.1 |
| ESE | | .3 | .7 | 1.2 | 1.2 | .6 | | | | | | 4.0 | 15.3 |
| SE | .2 | .3 | 1.1 | 1.1 | .8 | .9 | | | | | | 4.4 | 14.6 |
| SSE | | .3 | .6 | 2.6 | 1.0 | | .1 | | | | | 4.6 | 13.8 |
| S | | .4 | 1.1 | 2.0 | .9 | .2 | | | | | | 4.7 | 13.0 |
| SSW | .2 | | .3 | | | | | | | | | .6 | 6.6 |
| SW | .2 | .2 | .1 | | | | | | | | | .6 | 5.0 |
| WSW | 4.9 | 1.0 | .1 | | | | | | | | | 5.9 | 2.8 |
| W | 14.0 | 24.2 | 5.8 | .3 | | | | | | | | 44.3 | 4.5 |
| WNW | 4.4 | 8.0 | 1.3 | | | | | | | .1 | | 13.9 | 4.6 |
| NW | .8 | .2 | .2 | | | | | | | | | 1.2 | 4.3 |
| NNW | .1 | .4 | | .2 | | | | | | | | .8 | 7.1 |
| VARIABLE | 1.7 | 1.8 | .2 | .1 | | | | | | | | 3.8 | 4.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.2 | //// |
| TOTALS | 26.8 | 38.1 | 12.3 | 9.4 | 4.1 | 1.8 | .1 | | | .1 | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .2 | .2 | .1 | | | | | | | | .7 | 6.3 |
| NNE | | | .1 | | | | | | | | | .1 | 10.0 |
| NE | | .2 | | | | | | | | | | .2 | 5.0 |
| ENE | | | .2 | .1 | | | | | | | | .3 | 8.7 |
| E | | .7 | 1.3 | 1.1 | .1 | .1 | | | | | | 3.3 | 10.4 |
| ESE | | .1 | 1.0 | 1.1 | .9 | .1 | | | | | | 3.2 | 13.5 |
| SE | | .3 | .7 | .6 | 1.9 | .3 | | | | | | 3.8 | 15.2 |
| SSE | | .1 | 1.2 | 1.3 | 2.0 | .6 | | | | | | 5.2 | 15.5 |
| S | | .3 | .7 | 1.6 | .8 | .1 | | | | | | 3.4 | 13.5 |
| SSW | | .1 | .1 | | | | | | | | | .2 | 6.5 |
| SW | .6 | .9 | | | | | | | | | | 1.4 | 4.1 |
| WSW | 3.8 | 1.4 | .1 | | | | | | | | | 5.3 | 3.1 |
| W | 17.2 | 21.4 | 4.7 | .2 | .1 | | | | | | | 43.7 | 4.2 |
| WNW | 4.6 | 6.2 | 1.3 | | | | | | | | | 12.1 | 4.1 |
| NW | .6 | 1.2 | .2 | | | | | | | | | 2.0 | 4.7 |
| NNW | .1 | 1.0 | .1 | | | | | | | | | 1.2 | 5.0 |
| VARIABLE | .8 | .8 | .4 | | | | | | | | | 2.0 | 4.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 11.7 | //// |
| TOTALS | 27.7 | 35.1 | 12.4 | 6.1 | 5.8 | 1.2 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .2 | .2 | | | | | | | | .6 | 6.0 |
| NNW | | | | | .1 | | | | | | .1 | 10.0 |
| NW | .1 | .2 | .3 | | | | | | | | .7 | 5.7 |
| ENE | .3 | .6 | .1 | | | | | | | | 1.0 | 4.9 |
| E | .2 | .7 | 1.0 | 1.0 | .2 | | | | | | 3.1 | 9.3 |
| ESE | | .6 | 1.3 | 1.1 | .2 | .2 | | | | | 3.4 | 11.5 |
| SE | .1 | .7 | .7 | 1.2 | .6 | .7 | .1 | | | | 3.6 | 15.4 |
| SSE | | .4 | 1.2 | 2.1 | 1.0 | .4 | | | | | 5.2 | 14.0 |
| S | .4 | .4 | 1.0 | .8 | 1.2 | .1 | | | | | 4.0 | 12.1 |
| SSW | | | .2 | .1 | | | | | | | .3 | 10.3 |
| SW | .6 | .2 | | | | | | | | | .8 | 3.3 |
| WSW | 3.1 | .7 | .3 | | | | | | | | 4.1 | 2.9 |
| W | 19.1 | 12.2 | 3.2 | | | | | | | | 34.6 | 3.7 |
| WNW | 5.0 | 3.6 | | | | | | | | | 8.6 | 3.3 |
| NW | 1.6 | .8 | .3 | | | | | | | | 2.7 | 3.5 |
| NNW | .4 | .4 | | | | | | | | | .9 | 3.3 |
| VARIABLE | 1.1 | .7 | .1 | | | | | | | | 1.9 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | 24.6 | //// |
| TOTALS | 32.2 | 21.9 | 10.1 | 6.3 | 3.3 | 1.4 | .1 | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-P6
MONTH: JUN HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .2 | .1 | .1 | | | | | | | .4 | 6.1 |
| NNE | .1 | .1 | .1 | .1 | .0 | | | | | | .4 | 8.2 |
| NE | .1 | .2 | .2 | .1 | | .0 | | | | | .5 | 6.7 |
| ENE | .3 | .3 | .2 | .1 | .0 | | | | | | 1.0 | 6.1 |
| E | .8 | .7 | .8 | 1.1 | .2 | .0 | | | | | 3.7 | 8.7 |
| ESE | .2 | .4 | .9 | 1.2 | .6 | .2 | .0 | | | | 3.5 | 12.5 |
| SE | .2 | .4 | 1.0 | 1.2 | .9 | .5 | .1 | .0 | | | 4.2 | 14.1 |
| SSE | .0 | .3 | 1.1 | 1.8 | .9 | .3 | .0 | | | | 4.5 | 13.7 |
| S | .2 | .4 | .9 | 1.3 | .7 | .2 | | | | | 3.6 | 12.5 |
| SSW | .1 | .1 | .1 | .0 | | | | | | | .2 | 6.9 |
| SW | .5 | .3 | .0 | | | | | | | | .8 | 3.4 |
| WSW | 3.8 | 1.1 | .2 | .0 | | | | | | | 5.2 | 3.0 |
| W | 16.5 | 15.4 | 3.1 | .2 | .0 | | | | | | 35.2 | 3.9 |
| WNW | 4.4 | 4.7 | .6 | .0 | | | | | | .0 | 9.7 | 3.8 |
| NW | 1.1 | .7 | .1 | | | | | | | | 1.8 | 3.6 |
| NNW | .4 | .4 | .0 | .0 | | | | | | | .9 | 3.9 |
| VARIABLE | 1.5 | 1.1 | .2 | .0 | | | | | | | 2.7 | 3.7 |
| CALM | //////////////////// | | | | | | | | | | 21.6 | //// |
| TOTALS | 30.2 | 26.5 | 9.6 | 7.2 | 3.5 | 1.2 | .1 | .0 | | .0 | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .1 | .1 | | | | | | | | | .5 | 4.0 |
| NNE | .1 | | | | | | | | | | | .1 | 2.0 |
| NE | | .2 | .1 | .2 | | | | | | | | .5 | 8.6 |
| ENE | .2 | .9 | .5 | .3 | | | | | | | | 1.9 | 7.3 |
| E | 1.2 | 2.6 | 1.4 | 1.2 | .4 | .4 | | .3 | | | | 7.6 | 9.9 |
| ESE | .6 | 1.1 | 1.4 | 1.4 | .4 | .3 | .1 | | | | | 5.4 | 10.6 |
| SE | .5 | .4 | 1.1 | 1.2 | .6 | .4 | .1 | | | | | 4.4 | 17.3 |
| SSE | .2 | .8 | .4 | 1.0 | .2 | .5 | .1 | | | | | 3.2 | 12.3 |
| S | .2 | .1 | .3 | .4 | .3 | .1 | | | | | | 1.5 | 12.4 |
| SSW | .1 | | | | | | | | | | | .1 | 2.0 |
| SW | .5 | .1 | | | | | | | | | | .6 | 2.8 |
| WSW | 1.5 | 1.6 | .1 | | | | | | | | | 3.2 | 3.3 |
| W | 10.4 | 3.7 | .2 | | | | | | | | | 14.3 | 2.8 |
| WNW | 3.4 | 1.1 | .1 | | | | | | | | | 4.5 | 2.9 |
| NW | 1.9 | .2 | .2 | | | | | | | | | 2.4 | 2.9 |
| NNW | .5 | .1 | .1 | | | | | | | | | .8 | 3.6 |
| VARIABLE | 2.4 | .5 | .1 | | | | .1 | | | | | 3.1 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 45.6 | //// |
| TOTALS | 24.2 | 13.5 | 6.3 | 5.7 | 2.1 | 1.8 | .4 | .3 | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(IST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .2 | | | | | | | | | | .2 | 5.0 |
| NNE | .1 | .1 | .1 | | | | | | | | | .3 | 4.7 |
| NE | .4 | | .2 | .1 | | | | | | | | .8 | 5.6 |
| ENE | .5 | .9 | .4 | .3 | | | | | | | | 2.2 | 6.1 |
| E | 1.2 | 1.4 | 1.6 | 1.7 | .8 | .2 | .4 | .1 | | | | 7.5 | 11.2 |
| ESE | 1.1 | 1.3 | 1.2 | .8 | 1.0 | .2 | .2 | .1 | | | | 5.8 | 11.1 |
| SE | .2 | 1.2 | 1.3 | 1.4 | .4 | .3 | .2 | | | | | 5.1 | 11.6 |
| SSF | .1 | .6 | 1.0 | .8 | .3 | .2 | | | | | | 3.0 | 11.2 |
| S | .4 | .2 | .6 | .6 | .5 | | | | | | | 2.5 | 10.6 |
| SSW | | .1 | | | | | | | | | | .1 | 5.0 |
| SW | .4 | .4 | | | | | | | | | | .9 | 3.5 |
| WSW | 1.7 | 1.0 | | | | | | | | | | 2.7 | 2.9 |
| W | 10.1 | 4.2 | | | | | | | | | | 14.3 | 2.8 |
| WNW | 3.0 | .9 | | | | | | | | | | 3.9 | 2.6 |
| NW | .8 | .8 | .3 | | | | | | | | | 1.8 | 4.0 |
| NNW | .4 | .1 | | | | | | | | | | .5 | 2.6 |
| VARIABLE | 1.9 | .5 | .1 | | | | .1 | | | | | 2.7 | 3.9 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 45.7 | //// |
| TOTALS | 22.5 | 14.0 | 6.9 | 5.7 | 3.0 | 1.0 | 1.0 | .2 | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | | | | | | | | | | | .2 | 2.5 |
| NNE | .2 | .1 | .1 | .2 | | | | | | | | .6 | 6.8 |
| NE | | .3 | .4 | .1 | | | | | | | | .9 | 7.9 |
| ENE | .4 | .9 | .4 | .2 | | | | | | | | 1.9 | 6.2 |
| E | .8 | 1.4 | 1.3 | 1.6 | .4 | .2 | .1 | .5 | | | | 6.4 | 12.1 |
| ESE | .2 | 1.4 | .6 | .8 | .6 | .4 | .1 | .1 | | | | 4.3 | 12.2 |
| SE | .3 | .2 | 1.2 | 1.8 | .4 | .2 | .2 | | | | | 4.4 | 12.8 |
| SSE | | .4 | .6 | 1.1 | .5 | .3 | | | | | | 3.0 | 13.4 |
| S | .2 | .1 | .5 | .6 | .2 | | | | | | | 1.7 | 10.3 |
| SSW | .1 | .3 | | | | | | | | | | .4 | 3.8 |
| SW | .4 | .6 | | .1 | | | | | | | | 1.2 | 4.5 |
| WSW | 2.3 | 2.4 | .1 | | | | | | | | | 4.8 | 3.5 |
| W | 16.7 | 7.5 | | | | | | | | | | 24.2 | 2.9 |
| WNW | 3.7 | 1.5 | .2 | | | | | | | | | 5.4 | 3.0 |
| NW | 1.1 | 1.0 | .2 | | | | | | | | | 2.3 | 3.6 |
| NNW | .2 | .2 | | | | | | | | | | .4 | 3.3 |
| VARIABLE | 2.2 | 1.7 | .2 | | .1 | | | .1 | | | | 4.3 | 4.4 |
| CALM | //////////////////// | | | | | | | | | | | 33.5 | //// |
| TOTALS | 29.0 | 20.1 | 6.0 | 6.6 | 2.4 | 1.2 | .4 | .8 | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .4 | 4.5 |
| NNE | .1 | .2 | | | | | | | | | | .3 | 4.7 |
| NE | | .3 | .1 | .1 | | | | | | | | .5 | 7.4 |
| ENE | .1 | .8 | 1.0 | .4 | .3 | | | | | | | 2.6 | 9.3 |
| E | .1 | 1.1 | 1.6 | 1.4 | .1 | .5 | .3 | | | | | 5.2 | 12.0 |
| ESE | .1 | .3 | 1.0 | 1.1 | .8 | .6 | .2 | .1 | | | | 4.2 | 15.6 |
| SE | | .2 | 1.4 | .9 | .9 | .3 | .1 | .2 | | | | 4.0 | 15.5 |
| SSE | .1 | .2 | 1.0 | 1.4 | .5 | .1 | .1 | | | | | 3.4 | 13.2 |
| S | | .3 | .8 | .8 | | | | | | | | 1.8 | 10.1 |
| SSW | | .1 | | | | | | | | | | .1 | 5.0 |
| SW | .9 | .9 | | | | | | | | | | 1.7 | 3.5 |
| WSW | 3.0 | 1.9 | .2 | | | | | | | | | 5.2 | 3.5 |
| W | 20.0 | 16.5 | 2.2 | .3 | | | | | | | | 38.9 | 3.7 |
| WNW | 3.2 | 4.2 | .6 | | | | | | | | | 8.1 | 4.0 |
| NW | .4 | 1.1 | .1 | | | | | | | | | 1.6 | 4.3 |
| NNW | .7 | | | | | | | | | | | .2 | 3.0 |
| VARIABLE | 2.8 | .9 | .2 | | | | | | | | | 3.9 | 2.9 |
| CALM | //////////////////// | | | | | | | | | | | 17.9 | //// |
| TOTALS | 31.2 | 24.2 | 10.1 | 6.3 | 2.6 | 1.6 | .8 | .3 | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .2 | | | | | | | | | | .3 | 4.0 |
| NNE | | | .2 | | | | | | | | | .2 | 9.0 |
| NF | | .1 | .1 | | | | | | | | | .2 | 6.5 |
| ENE | | .7 | .4 | .6 | .1 | | | | | | | 1.5 | 11.1 |
| E | | .9 | 3.0 | .8 | .5 | .5 | .3 | .1 | | | | 6.1 | 12.7 |
| ESE | | | 1.0 | 1.2 | .6 | .4 | .2 | | | | | 3.4 | 15.8 |
| SE | .1 | .4 | 1.3 | 1.6 | .8 | .8 | .5 | .1 | | | | 5.6 | 15.7 |
| SSE | .1 | | 1.4 | 1.3 | .2 | .3 | .1 | | | | | 3.4 | 13.3 |
| S | | .1 | .6 | .9 | | | | | | | | 1.6 | 10.6 |
| SSW | .2 | | | .1 | .1 | | | | | | | .4 | 9.5 |
| SW | .6 | .6 | .3 | | | | | | | | | 1.6 | 4.5 |
| WSW | 2.4 | 2.2 | 1.1 | | | | | | | | | 5.6 | 4.3 |
| W | 16.5 | 25.3 | 2.5 | .3 | | | | | | | | 44.6 | 4.0 |
| WNW | 3.8 | 6.1 | .8 | | | | | | | | | 10.7 | 4.1 |
| W | .6 | .8 | .1 | | | | | | | | | 1.5 | 3.9 |
| NNW | .1 | .2 | | | | | | | | | | .3 | 4.3 |
| VARIABLE | 1.3 | .8 | .4 | | | | | | | | | 2.5 | 3.9 |
| CALM | //////////////////// | | | | | | | | | | | 10.3 | //// |
| TOTALS | 25.8 | 36.0 | 13.2 | 6.8 | 2.4 | 2.0 | 1.2 | .2 | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .1 | | .1 | | | | | | | | .2 | 10.0 |
| NNE | | .1 | | .2 | | | | | | | | .3 | 10.7 |
| NE | .1 | .2 | .2 | | .1 | | | | | | | .6 | 7.8 |
| NNE | .1 | .4 | .8 | .5 | .1 | | | | | | | 1.9 | 9.6 |
| E | .3 | .8 | 1.9 | 2.0 | .3 | .5 | .2 | .3 | | | | 6.5 | 12.5 |
| ESE | .1 | .3 | 1.1 | .6 | .9 | .1 | .2 | | | | | 3.3 | 14.0 |
| SE | .1 | .3 | 1.3 | 1.0 | .3 | .3 | .2 | | | | | 3.6 | 12.9 |
| SSE | .2 | .3 | .8 | 1.4 | 1.2 | .4 | .2 | | | | | 4.6 | 14.8 |
| S | .2 | .1 | .9 | .9 | | | .1 | | | | | 1.7 | 11.3 |
| SSW | .2 | .1 | | | | | | | | | | .3 | 2.7 |
| SW | .2 | .5 | .2 | .2 | | | | | | | | 1.2 | 6.5 |
| WSW | 2.6 | 1.4 | .5 | .3 | | | | | | | | 5.8 | 4.4 |
| W | 17.4 | 22.9 | 3.3 | .1 | | | | | | | | 43.7 | 4.2 |
| WNW | 3.9 | 7.7 | .8 | | | | | | | | | 12.3 | 4.2 |
| NW | .5 | 1.0 | .1 | | | | | | | | | 1.6 | 3.9 |
| NNW | .1 | .1 | | | | | | | | | | .2 | 3.6 |
| VARIABLE | 1.2 | .6 | | | | | | | | | | 1.8 | 3.2 |
| CALM | //////////////////// | | | | | | | | | | | 17.1 | //// |
| TOTALS | 27.4 | 36.0 | 11.4 | 7.4 | 2.9 | 1.4 | 1.0 | .3 | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(EST): 1900-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .3 | .2 | | | | | | | | | .5 | 3.6 |
| NNE | .1 | | | | | | | | | | .1 | 1.0 |
| NE | | .1 | .2 | | | | | | | | .3 | 2.2 |
| ENE | | .3 | 1.2 | | .2 | | | | | | 1.7 | 2.7 |
| E | | 1.1 | 1.6 | 1.2 | .5 | 1.0 | | .3 | | | 5.7 | 19.1 |
| ESE | .7 | 1.1 | .9 | 1.0 | .5 | .3 | | | | | 4.5 | 11.9 |
| SE | .9 | .6 | .6 | .9 | .7 | .9 | | | | | 5.7 | 11.6 |
| SSE | .3 | .1 | .9 | .5 | 1.7 | .8 | .2 | | | | 7.7 | 17.1 |
| S | | .7 | 1.2 | .9 | .9 | .3 | | | | | 4.5 | 11.6 |
| SSW | .5 | .1 | | | | | | | | | .7 | 2.7 |
| SW | .3 | .7 | .1 | | | | | | | | .7 | 9.0 |
| WSW | 1.1 | 1.9 | .3 | | | | | | | | 3.7 | 7.1 |
| W | 12.9 | 12.1 | 1.3 | | | | | | | | 24.3 | 12.6 |
| WNW | 1.1 | .7 | .3 | | | | | | | | 11.7 | 8.6 |
| WW | 1.1 | 1.7 | .7 | | | | | | | | 3.7 | 9.2 |
| WSW | .3 | .3 | | | | | | | | | .9 | 9.7 |
| VARIOUS | 1.1 | .3 | .3 | | | | | | | | 1.9 | 9.9 |
| CAV | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |
| TOTAL | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS

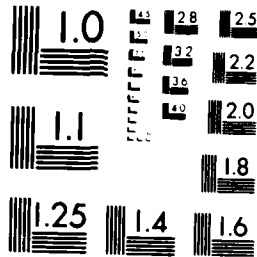
AD-A187 837

INULE AB GREENLAND REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION... (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... 12 MAY 87
USAFETAC/DS-87/824 F/C 4/2

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UNCLASSIFIED

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .4 | .6 | | | | | | | | | | 1.1 | 4.1 |
| NNF | | | | | | | | | | | | | |
| NE | .2 | .4 | .3 | .2 | | | | | | | | 1.2 | 6.9 |
| NNE | .2 | .9 | .5 | .4 | .2 | | | | | | | 2.3 | 8.3 |
| E | .4 | .8 | .9 | 1.1 | .3 | .8 | .3 | .3 | | | | 4.9 | 14.8 |
| ESE | .6 | .9 | 1.5 | 1.0 | .8 | .1 | | | | | | 4.9 | 9.9 |
| SE | .3 | .3 | .9 | 1.4 | .8 | .4 | .3 | | | | | 4.4 | 14.2 |
| SSE | .1 | .2 | .4 | .4 | .5 | .3 | .3 | .1 | | | | 2.5 | 17.3 |
| S | .1 | .4 | 1.0 | .4 | .3 | .1 | | | | | | 2.4 | 10.5 |
| SSW | .3 | | .2 | | | | | | | | | .5 | 4.4 |
| SW | .3 | .6 | | | | | | | | | | 1.0 | 3.7 |
| WSW | 1.7 | 1.2 | .1 | | | | | | | | | 3.0 | 3.2 |
| W | 17.4 | 7.7 | .5 | | | | | | | | | 25.6 | 3.0 |
| WNW | 4.9 | 2.6 | .2 | | | | | | | | | 7.7 | 3.1 |
| NW | 1.2 | .5 | | | | | | | | | | 1.7 | 3.0 |
| NNW | .6 | .1 | .2 | .1 | | | | | | | | 1.1 | 4.5 |
| VARIABLE | 1.1 | .8 | | | | | | | | | | 1.8 | 3.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 33.9 | //// |
| TOTALS | 30.1 | 18.1 | 6.8 | 5.1 | 2.9 | 1.7 | 1.0 | .4 | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | .2 | .0 | .0 | | | | | | | .4 | 4.4 |
| NNE | .1 | .1 | .1 | .1 | | | | | | | .3 | 6.4 |
| NE | .1 | .2 | .2 | .1 | .0 | | | | | | .6 | 7.2 |
| ENE | .2 | .7 | .7 | .4 | .1 | | | | | | 2.0 | 8.4 |
| E | .5 | 1.2 | 1.7 | 1.4 | .4 | .5 | .2 | .3 | | | 6.2 | 12.3 |
| ESE | .4 | .8 | 1.1 | 1.0 | .7 | .4 | .1 | .0 | | | 4.5 | 12.3 |
| SE | .3 | .5 | 1.1 | 1.3 | .6 | .4 | .2 | .0 | | | 4.4 | 13.4 |
| SEF | .2 | .3 | .8 | 1.0 | .6 | .4 | .1 | .0 | | | 3.4 | 14.1 |
| S | .1 | .2 | .7 | .6 | .2 | .0 | .0 | | | | 2.0 | 10.9 |
| SSW | .1 | .1 | .0 | .0 | .0 | | | | | | .3 | 4.8 |
| SW | .5 | .5 | .1 | .0 | | | | | | | 1.1 | 4.2 |
| WSW | 2.3 | 1.8 | .4 | .0 | | | | | | | 4.5 | 3.7 |
| W | 16.0 | 13.1 | 1.3 | .1 | | | | | | | 30.5 | 3.5 |
| WNW | 3.9 | 3.7 | .4 | | | | | | | | 8.0 | 3.7 |
| NW | 1.0 | .8 | .2 | | | | | | | | 2.0 | 3.7 |
| NNW | .3 | .1 | .0 | .0 | | | | | | | .5 | 3.8 |
| VARIABLE | 1.7 | .8 | .2 | | .0 | .0 | .0 | .0 | | | 2.8 | 3.8 |
| CALM | //////////////////// | | | | | | | | | | 26.6 | //// |
| TOTALS | 27.9 | 25.2 | 8.8 | 6.0 | 2.7 | 1.7 | .7 | .4 | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 7410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(IST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | .5 | | | | | | | | .6 | 7.8 |
| NNE | .3 | | .4 | | | | | | | | .8 | 5.7 |
| NE | .3 | .5 | .4 | .1 | | | | | | | 1.4 | 6.1 |
| ENE | 1.1 | 1.8 | 1.0 | .3 | | | | | | | 4.2 | 5.5 |
| E | 5.3 | 3.2 | 2.0 | 1.7 | .2 | | | | | | 12.5 | 5.7 |
| ESE | 1.8 | 2.7 | 1.1 | 1.5 | .4 | .5 | | | | | 8.1 | 8.3 |
| SE | .6 | 1.5 | 1.5 | 1.7 | .5 | 1.1 | .1 | .1 | | | 7.2 | 12.3 |
| SSE | 1.0 | .5 | 1.3 | 1.6 | .9 | .3 | .2 | | | | 5.8 | 11.6 |
| S | .2 | .1 | .5 | .8 | .2 | .5 | .1 | | | | 2.5 | 14.5 |
| SSW | .1 | .3 | .3 | | | | | | | | .8 | 5.6 |
| SW | .3 | .4 | .1 | | | | | | | | .9 | 4.1 |
| WSW | 1.4 | .9 | | | | | | | | | 2.3 | 2.8 |
| W | 5.1 | 1.6 | .2 | | | | | | | | 6.9 | 2.9 |
| WNW | 1.7 | .4 | | | | | | | | | 1.4 | 3.1 |
| NW | .8 | | | | | | | | | | .8 | 2.0 |
| NNW | .3 | .1 | | | | | | | | | .4 | 2.3 |
| VARIABLE | 1.2 | .5 | .3 | .3 | .1 | | | | | | 2.5 | 5.6 |
| CALM | //////////////////////////////////// | | | | | | | | | | 41.2 | //// |
| TOTALS | 20.8 | 14.8 | 9.8 | 8.1 | 2.4 | 2.5 | .4 | .1 | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS (LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .4 | .1 | .1 | .3 | .1 | | | | | | | 1.1 | 7.9 |
| NNE | .3 | | .1 | .1 | | | | | | | | .5 | 5.2 |
| NE | .5 | .3 | .3 | .1 | | | | | | | | 1.3 | 5.3 |
| ENE | 2.0 | 1.2 | .6 | .5 | .2 | | | | | | | 4.6 | 5.9 |
| E | 4.1 | 3.9 | 1.9 | 1.1 | .4 | | | | | | | 11.4 | 5.9 |
| ESE | 2.4 | 2.5 | 1.1 | 2.0 | .5 | .3 | | | | | | 8.8 | 8.0 |
| SE | 1.3 | 1.4 | 1.6 | 1.6 | 1.2 | .5 | | | | | | 7.6 | 10.6 |
| SSE | .1 | .2 | 1.8 | 1.5 | .5 | .4 | .1 | .1 | | | | 4.8 | 13.5 |
| S | .2 | .4 | .4 | .8 | .4 | .2 | | | | | | 2.5 | 12.7 |
| SSW | .5 | .1 | | .1 | | | | | | | | .8 | 4.4 |
| SW | .5 | .2 | | | | | | | | | | .8 | 2.6 |
| WSW | 1.3 | .4 | .2 | | | | | | | | | 1.9 | 3.5 |
| W | 4.1 | 2.0 | .4 | | | | | | | | | 6.6 | 3.4 |
| WNW | 1.2 | .3 | | | | | | | | | | 1.5 | 2.7 |
| NW | .6 | | | | | | | | | | | .6 | 1.3 |
| NNW | .1 | | | | | | | | | | | .1 | 1.0 |
| VARIABLE | 2.0 | 1.1 | .4 | .1 | | | | | | | | 3.7 | 3.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 41.4 | //// |
| TOTALS | 21.8 | 14.2 | 9.1 | 8.3 | 3.4 | 1.5 | .1 | .1 | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | | .2 | | | | | | | | .3 | 5.7 |
| NNE | .3 | .2 | .5 | | .1 | | | | | | 1.2 | 6.4 |
| NE | 1.0 | .3 | .8 | .2 | .1 | | | | | | 2.4 | 6.4 |
| ENE | 1.9 | .8 | .4 | .2 | .3 | | | | | | 3.7 | 5.7 |
| E | 3.9 | 1.7 | 2.5 | 1.8 | .5 | .1 | | | | | 10.5 | 7.1 |
| ESE | 1.7 | 1.9 | 1.4 | 1.8 | .3 | .1 | | | | | 7.3 | 8.0 |
| SE | .4 | .9 | 1.9 | 2.2 | 1.6 | .3 | .3 | | | | 7.6 | 13.2 |
| SSE | .5 | .6 | 1.1 | 1.0 | .3 | .6 | .1 | | | | 4.3 | 12.3 |
| S | .3 | .3 | .9 | .4 | .4 | .2 | | | | | 2.6 | 11.4 |
| SSW | .4 | .1 | | .1 | | | | | | | .6 | 4.3 |
| SW | .5 | | | | | | | | | | .5 | 1.8 |
| WSW | 1.1 | .8 | | | .1 | | | | | | 1.9 | 3.9 |
| W | 6.1 | 3.1 | .9 | | | | | | | | 10.1 | 3.4 |
| WNW | 1.8 | .4 | | | | | | | | | 2.3 | 2.5 |
| NW | .8 | .2 | | | | | | | | | 1.0 | 2.9 |
| NNW | .2 | .1 | | | | | | | | | .3 | 2.3 |
| VARIABLE | 1.9 | .0 | .4 | .3 | | | | | | | 3.5 | 4.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | 39.8 | //// |
| TOTALS | 23.1 | 12.4 | 11.0 | 8.1 | 3.9 | 1.4 | .4 | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .4 | | | | | | | | | | .8 | 3.7 |
| NNE | | .1 | .1 | | | | | | | | | .2 | 6.5 |
| NE | .3 | .2 | .8 | .2 | .2 | | | | | | | 1.7 | 8.4 |
| ENE | .1 | .4 | .6 | .4 | .1 | | | | | | | 1.7 | 8.9 |
| E | .9 | 1.3 | 2.2 | 1.4 | .8 | .2 | | | | | | 6.7 | 9.7 |
| ESE | .2 | 1.0 | 1.4 | 1.8 | .5 | .4 | .1 | | | | | 5.5 | 12.0 |
| SE | .4 | .6 | 1.3 | 2.3 | 1.3 | .8 | .2 | .3 | | | | 7.2 | 15.0 |
| SSE | .3 | .1 | .9 | 2.0 | .9 | .3 | | | | | | 4.5 | 13.4 |
| S | .1 | .8 | .3 | .6 | .8 | .1 | | | | | | 2.7 | 12.5 |
| SSW | .3 | | | | | | | | | | | .3 | 2.0 |
| SW | 1.6 | .5 | | | | | | | | | | 2.2 | 2.9 |
| WSW | 4.6 | 1.5 | .3 | | | | | | | | | 6.5 | 3.0 |
| W | 14.2 | 8.2 | 2.2 | .4 | | | | | | | | 24.9 | 3.7 |
| WNW | 1.7 | 3.2 | .5 | | | | | | | | | 5.5 | 4.2 |
| NW | .8 | .6 | | | | | | | | | | 1.4 | 3.4 |
| NNW | .2 | .5 | | | | | | | | | | .8 | 4.1 |
| VARIABLE | 1.9 | 1.2 | .5 | .3 | .1 | | | | | | | 4.1 | 5.2 |
| CALM | //////////////////// | | | | | | | | | | | 23.4 | //// |
| TOTALS | 28.1 | 20.8 | 11.1 | 9.6 | 4.6 | 1.8 | .3 | .3 | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | | |
| N | | .1 | | | | .1 | | | | | | .2 | 15.5 |
| NNE | | | | | | | | | | | | | |
| NE | .2 | | .4 | .1 | .1 | .1 | | | | | | 1.0 | 11.1 |
| ENE | .1 | .8 | .8 | 1.0 | .1 | .1 | | | | | | 2.8 | 9.6 |
| E | .9 | .8 | 1.7 | 1.6 | .6 | .3 | | | | | | 5.9 | 10.8 |
| ESE | | .4 | 1.7 | 1.8 | .6 | | | | | | | 4.6 | 11.8 |
| SE | .3 | .5 | 1.0 | 3.4 | 1.8 | 1.2 | .1 | .3 | | | | 8.7 | 15.8 |
| SSE | | .5 | 2.2 | 2.0 | 1.6 | .1 | | | | | | 6.5 | 12.9 |
| S | | .4 | .8 | 1.0 | .6 | .3 | | | | | | 3.1 | 13.2 |
| SSW | .2 | | .2 | | | | | | | | | .4 | 5.3 |
| SW | 1.7 | .9 | .1 | | | | | | | | | 2.7 | 3.2 |
| WSW | 4.9 | 3.2 | .4 | | | | | | | | | 8.6 | 3.4 |
| W | 14.8 | 16.3 | 3.1 | .3 | | | | | | | | 34.6 | 4.0 |
| WNW | 2.5 | 4.0 | 1.0 | | | | | | | | | 7.4 | 4.3 |
| NW | .4 | 1.1 | .4 | | | | | | | | | 1.9 | 4.9 |
| NNW | .2 | .2 | .1 | | | | | | | | | .5 | 4.4 |
| VARIABLE | .6 | .2 | .3 | .3 | | | | | | | | 1.5 | 6.6 |
| CALM | //////////////////// | | | | | | | | | | | 9.5 | //// |
| TOTALS | 27.0 | 29.5 | 14.2 | 11.6 | 5.6 | 2.3 | .1 | .1 | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .4 | .1 | | | | | | | | .5 | 5.6 |
| NNF | | .3 | | .1 | | | | | | | .4 | 6.8 |
| NE | | .1 | .3 | .1 | | | | | | | .5 | 8.8 |
| ENE | .4 | .4 | .6 | .8 | | | .1 | | | | 2.4 | 9.2 |
| E | .3 | 1.2 | 1.7 | 1.7 | .6 | .3 | .1 | | | | 6.0 | 11.3 |
| ESE | .1 | .5 | 1.3 | 1.7 | .3 | | .1 | | | | 4.1 | 11.3 |
| SE | .1 | .5 | 1.6 | 3.3 | 2.2 | .5 | .6 | | | | 8.9 | 15.4 |
| SSE | .2 | .5 | 2.2 | 2.0 | 1.6 | .5 | | | | | 7.1 | 13.1 |
| S | | .2 | .6 | 1.1 | .5 | | | | | | 2.5 | 12.6 |
| SSW | .1 | .2 | .2 | .1 | | | | | | | .6 | 6.7 |
| SW | .5 | 1.0 | .3 | | | | | | | | 1.8 | 4.3 |
| WSW | 4.6 | 3.4 | .9 | .1 | | | | | | | 9.0 | 3.9 |
| W | 13.4 | 17.2 | 3.0 | .5 | | | | | | | 34.2 | 4.2 |
| WNW | 2.4 | 3.5 | .2 | | | | | | | | 6.1 | 4.0 |
| NW | .6 | .9 | .2 | | | | | | | | 1.7 | 4.1 |
| NNW | .1 | .3 | | | | | | | | | .4 | 4.3 |
| VARIABLE | .4 | 1.2 | .2 | .4 | | | | | | | 2.3 | 6.2 |
| CALM | //////////////////////////////////// | | | | | | | | | | 11.3 | //// |
| TOTALS | 23.4 | 32.0 | 13.5 | 12.0 | 5.3 | 1.4 | 1.0 | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(IST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .5 | .2 | .1 | | | | | | | | | .9 | 3.5 |
| NNE | | .4 | | | | | | | | | | .4 | 4.5 |
| NE | .1 | .6 | .4 | .1 | .1 | | | | | | | 1.4 | 7.4 |
| ENE | .4 | .5 | .1 | .4 | | | | | | | | 1.5 | 7.3 |
| E | .5 | .5 | 2.0 | 2.2 | .6 | .1 | | | | | | 6.0 | 10.8 |
| ESE | .3 | .8 | 2.3 | 1.5 | .4 | .2 | .1 | | | | | 5.6 | 11.0 |
| SE | .1 | 1.1 | 2.0 | 1.9 | 1.7 | 1.0 | .2 | | | | | 8.1 | 14.1 |
| SSE | | .3 | 2.6 | 2.5 | 1.1 | .4 | .1 | | | | | 7.0 | 13.3 |
| S | .1 | .2 | .9 | .1 | .3 | .1 | .1 | | | | | 1.8 | 12.0 |
| SSW | .7 | .4 | .1 | | | | | | | | | .9 | 4.1 |
| SW | 1.0 | .8 | .1 | | | | | | | | | 1.8 | 3.9 |
| WSW | 3.8 | 2.4 | .3 | | | | | | | | | 6.5 | 3.4 |
| W | 16.5 | 11.2 | 2.5 | .1 | | | | | | | | 30.2 | 3.7 |
| WNW | 2.2 | 3.1 | .3 | | | | | | | | | 5.6 | 3.9 |
| NW | .4 | .6 | .1 | | | | | | | | | 1.2 | 4.1 |
| NNW | .4 | .3 | | | | | | | | | | .8 | 3.7 |
| VARIABLE | .5 | .6 | .3 | | | | | | | | | 1.5 | 4.8 |
| CALM | //////////////////// | | | | | | | | | | | 18.9 | //// |
| TOTALS | 27.2 | 24.2 | 14.2 | 8.8 | 4.3 | 1.8 | .5 | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS (LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .1 | .3 | | | | | | | | | .8 | 4.1 |
| NNE | | .4 | .1 | | | | | | | | | .5 | 5.6 |
| NE | .1 | .2 | .8 | .1 | | | | | | | | 1.2 | 7.5 |
| ENE | .9 | .9 | .5 | .3 | | | | | | | | 2.6 | 5.9 |
| E | 1.6 | 1.6 | 2.4 | 1.3 | .5 | .1 | | | | | | 7.5 | 8.4 |
| ESE | 1.1 | 1.6 | 2.4 | .5 | .2 | .2 | | | | | | 6.0 | 7.9 |
| SE | 1.2 | 1.1 | 1.6 | 1.9 | 1.2 | .4 | .1 | | | | | 7.5 | 11.2 |
| SSE | .5 | 1.0 | 1.7 | 1.9 | .8 | 1.1 | .3 | .1 | | | | 7.4 | 13.9 |
| S | .3 | .1 | .2 | .4 | .4 | .2 | | | | | | 1.7 | 13.1 |
| SSW | .4 | .1 | .1 | | | | | | | | | .6 | 3.2 |
| SW | .9 | .8 | .1 | | | | | | | | | 1.7 | 3.7 |
| WSW | 1.7 | 1.3 | .2 | | | | | | | | | 3.2 | 3.5 |
| W | 9.6 | 6.0 | .8 | | | | | | | | | 15.4 | 3.3 |
| WNW | 1.7 | 1.5 | .2 | | | | | | | | | 3.4 | 3.5 |
| NW | .9 | .8 | | | | | | | | | | 1.6 | 3.3 |
| NNW | | .2 | | | | | | | | | | .2 | 5.0 |
| VARIABLE | 1.5 | .6 | .2 | | | | | | | | | 2.4 | 3.4 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 36.1 | //// |
| TOTALS | 21.7 | 18.3 | 11.6 | 6.6 | 3.1 | 2.0 | .4 | .1 | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG, HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | .2 | .2 | .0 | .0 | .0 | | | | | .6 | 5.9 |
| NNE | .1 | .2 | .2 | .0 | .0 | | | | | | .5 | 5.8 |
| NE | .1 | .3 | .5 | .1 | .1 | .0 | | | | | 1.4 | 7.3 |
| ENE | .9 | .8 | .6 | .5 | .1 | .0 | .0 | | | | 2.9 | 6.9 |
| E | 2.2 | 1.8 | 2.1 | 1.6 | .6 | .1 | .0 | | | | 5.3 | 8.1 |
| ESE | 1.0 | 1.4 | 1.6 | 1.6 | .4 | .2 | .0 | | | | 4.2 | 9.4 |
| SE | .6 | 1.0 | 1.6 | 2.3 | 1.4 | .7 | .2 | .1 | | | 7.9 | 13.5 |
| SSE | .3 | .5 | 1.7 | 1.8 | 1.0 | .5 | .1 | .0 | | | 5.9 | 13.0 |
| S | .2 | .3 | .6 | .6 | .5 | .2 | .0 | | | | 2.4 | 12.8 |
| SSW | .3 | .2 | .1 | .0 | | | | | | | .6 | 4.6 |
| SW | .9 | .6 | .1 | | | | | | | | 1.5 | 3.4 |
| WSW | 2.9 | 1.7 | .3 | .0 | .0 | | | | | | 5.0 | 3.4 |
| W | 10.3 | 8.2 | 1.6 | .2 | | | | | | | 20.4 | 3.8 |
| WNW | 1.8 | 2.1 | .3 | | | | | | | | 4.2 | 3.8 |
| NW | .7 | .5 | .1 | | | | | | | | 1.3 | 3.6 |
| NNW | .2 | .2 | .0 | | | | | | | | .4 | 3.7 |
| VARIABLE | 1.3 | .9 | .3 | .2 | .0 | | | | | | 2.7 | 4.8 |
| CALM | //////////////////////////////////// | | | | | | | | | | 27.7 | //// |
| TOTALS | 24.1 | 20.8 | 11.8 | 9.1 | 4.1 | 1.8 | .4 | .1 | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(EST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | .2 | .3 | | | | | | | | | .8 | 5.3 |
| NNE | | .1 | .3 | | | | | | | | | .4 | 5.3 |
| NE | 1.1 | 5.4 | 1.3 | .4 | | | | | | | | 6.3 | 5.8 |
| ENE | 3.1 | 4.8 | 1.6 | .2 | | | | | | | | 7.7 | 4.7 |
| E | 8.3 | 10.1 | 3.7 | 1.3 | .2 | | | | | | | 23.7 | 5.1 |
| ESE | 4.2 | 5.7 | 3.4 | 1.4 | .2 | .1 | .1 | .1 | | | | 15.3 | 6.6 |
| SE | 2.3 | 2.9 | 2.0 | 2.4 | .4 | .7 | .4 | .1 | | | | 11.7 | 10.1 |
| SSE | .4 | .7 | .8 | 1.3 | .4 | .1 | .1 | | | | | 3.9 | 11.0 |
| S | .6 | .8 | .4 | | | | | | | | | 1.9 | 4.6 |
| SSW | .1 | .1 | .1 | | | | | | | | | .3 | 5.7 |
| SW | .1 | .8 | .1 | | | | | | | | | 1.0 | 4.6 |
| WSW | .2 | .2 | .3 | | | | | | | | | .8 | 5.3 |
| W | .3 | .2 | .6 | | | | | | | | | 1.1 | 6.1 |
| WNW | .2 | .2 | .1 | .1 | | | | | | | | .7 | 6.2 |
| W | .2 | .1 | .2 | | | | | | | | | .6 | 4.8 |
| NNW | | .2 | | | | | | | | | | .2 | 4.0 |
| VARIABLE | 1.4 | 1.0 | | | | | | | | | | 2.4 | 3.4 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 19.3 | //// |
| TOTALS | 23.0 | 31.6 | 15.3 | 7.3 | 1.7 | .9 | .7 | .2 | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(151): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .8 | .2 | | | | | | | | | 1.0 | 5.3 |
| NNE | .3 | .1 | .4 | .2 | | | | | | | | 1.1 | 7.3 |
| NE | 1.0 | .7 | 1.2 | .1 | | | | | | | | 5.0 | 5.3 |
| ENE | 2.2 | 6.3 | 1.0 | .3 | | | | | | | | 9.9 | 4.8 |
| E | 5.7 | 11.6 | 4.7 | 1.1 | .8 | .1 | | | | | | 23.9 | 5.8 |
| ESE | 4.8 | 6.7 | 3.2 | 1.2 | 1.0 | .1 | .1 | .3 | | | | 17.4 | 7.1 |
| SE | 1.2 | 3.0 | 3.0 | 1.9 | .3 | .3 | .6 | | | | | 10.3 | 9.6 |
| SSE | .1 | .9 | 1.4 | .7 | 1.0 | | .1 | | | | | 4.2 | 11.3 |
| S | .4 | .4 | .7 | | | | | | | | | 1.6 | 5.4 |
| SSW | | | | | | | | | | | | | |
| SW | | .1 | .3 | | | | | | | | | .4 | 7.0 |
| WSW | | .3 | .1 | | | | | | | | | .4 | 6.0 |
| W | .3 | .2 | 1.0 | .3 | | | | | | | | 1.9 | 7.6 |
| WNW | .3 | .1 | | | | | | | | | | .4 | 3.5 |
| NW | .3 | .4 | | | | | | | | | | .8 | 4.1 |
| NNW | .1 | | | | | | | | | | | .1 | 2.0 |
| VARIABLE | 1.9 | .8 | .2 | | | | | | | | | 2.9 | 3.0 |
| CALM | //////////////////// | | | | | | | | | | | 18.6 | //// |
| TOTALS | 18.9 | 34.4 | 17.6 | 5.9 | 3.1 | .6 | .8 | .3 | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .4 | .3 | | | .1 | | | | | | 1.0 | 8.2 |
| NNE | .1 | .3 | .3 | .1 | | .1 | | | | | | 1.0 | 9.4 |
| NE | 1.1 | 1.8 | 1.1 | .2 | | | | | | | | 4.2 | 5.3 |
| ENE | 1.6 | 5.1 | 1.9 | .3 | .1 | .1 | | | | | | 9.1 | 5.9 |
| E | 5.1 | 11.4 | 5.7 | 1.2 | .2 | .2 | | | | | | 23.9 | 5.7 |
| ESE | 4.3 | 5.8 | 2.4 | .9 | .6 | .3 | .3 | .3 | | | | 15.0 | 7.5 |
| SE | 2.6 | 3.6 | 1.9 | 1.9 | .3 | | .1 | | | | | 10.3 | 7.1 |
| SSE | .2 | 1.1 | 1.0 | .9 | 1.0 | .1 | | | | | | 4.3 | 11.0 |
| S | .1 | .4 | .4 | .7 | | | | | | | | 1.7 | 8.7 |
| SSW | | .4 | .1 | | | | | | | | | .6 | 6.2 |
| SW | .7 | .1 | .2 | | | | | | | | | 1.0 | 4.1 |
| WSW | .7 | .4 | .3 | | | | | | | | | 1.4 | 4.3 |
| W | .6 | .3 | .6 | .2 | | | | | | | | 1.7 | 6.2 |
| WNW | .2 | | .1 | | | | | | | | | .3 | 4.7 |
| NW | .3 | .1 | | | | | | | | | | .4 | 2.5 |
| NNW | .2 | .3 | .1 | .1 | | | | | | | | .4 | 5.4 |
| VARIABLE | 1.6 | .7 | .1 | | | | | | | | | 2.3 | 3.1 |
| CALM | //////////////////// | | | | | | | | | | | 20.9 | //// |
| TOTALS | 19.4 | 32.4 | 16.7 | 6.6 | 2.2 | 1.0 | .4 | .3 | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .7 | .2 | .1 | | | | | | | | 1.1 | 6.3 |
| NNE | .3 | .6 | .4 | .2 | | .1 | | | | | | 1.7 | 7.9 |
| NE | 1.3 | 2.1 | 1.0 | .1 | .2 | .1 | | | | | | 4.9 | 6.2 |
| ENE | 1.7 | 3.3 | 1.1 | .4 | .1 | .1 | | | | | | 6.8 | 5.8 |
| E | 6.2 | 7.2 | 2.7 | 1.1 | .1 | .2 | | | | | | 17.6 | 5.4 |
| ESE | 3.1 | 4.7 | 1.4 | .9 | .9 | .9 | .3 | .1 | | .2 | | 12.6 | 9.5 |
| SE | 1.1 | 2.3 | 2.0 | .6 | .1 | .4 | .2 | | | | | 6.8 | 8.5 |
| SSE | .4 | 1.1 | .9 | 2.0 | .2 | .4 | | | | | | 5.1 | 10.4 |
| S | .6 | .4 | .8 | .4 | | | | | | | | 2.2 | 7.1 |
| SSW | .4 | .2 | | | | | | | | | | .7 | 3.3 |
| SW | 1.0 | .3 | | | | | | | | | | 1.3 | 2.8 |
| WSW | 1.1 | 1.0 | .1 | .1 | | | | | | | | 2.3 | 3.9 |
| W | 1.8 | 1.0 | .3 | | | | | | | | | 3.1 | 3.6 |
| WNW | .4 | .1 | .6 | .1 | .1 | | | | | | | 1.3 | 7.3 |
| NW | | .1 | | .1 | | | | | | | | .2 | 10.0 |
| NNW | .2 | .1 | | | | | | | | | | .3 | 2.7 |
| VARIABLE | 1.2 | 1.6 | .4 | | | | | | | | | 3.2 | 4.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 28.8 | //// |
| TOTALS | 21.1 | 26.9 | 12.0 | 6.2 | 1.8 | 2.3 | .6 | .1 | | .2 | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | |
| N | .2 | .8 | .2 | | | | | | | | 1.2 | 5.0 |
| NNE | .2 | .6 | .1 | .1 | | | | | | | 1.0 | 5.9 |
| NE | .4 | 1.2 | .7 | | .2 | .1 | .1 | | | | 2.8 | 8.0 |
| ENE | 1.7 | 2.4 | .8 | .8 | .4 | | .1 | | | | 6.2 | 7.3 |
| E | 4.4 | 5.9 | 1.3 | 1.4 | .4 | .1 | .2 | .1 | .1 | | 14.1 | 6.8 |
| ESE | 1.9 | 3.6 | 2.0 | 1.4 | 1.4 | .1 | .2 | .3 | | | 11.0 | 9.6 |
| SE | 1.3 | 2.8 | 1.2 | 1.2 | .6 | .4 | | | | | 7.6 | 6.5 |
| SSE | .9 | .9 | .7 | .9 | .7 | .2 | | | | | 4.2 | 10.2 |
| S | .7 | .7 | .9 | .2 | | | | | | | 2.4 | 6.0 |
| SSW | 1.0 | .2 | | .1 | | | | | | | 1.3 | 3.3 |
| SW | 2.0 | .6 | .1 | | | | | | | | 2.7 | 2.8 |
| WSW | 1.9 | .8 | .2 | | | | | | | | 2.9 | 3.3 |
| W | 7.6 | 2.0 | .2 | | | | | | | | 9.8 | 2.8 |
| WNW | 1.8 | .6 | | .1 | | | | | | | 2.4 | 3.0 |
| NW | .6 | .1 | .2 | .2 | | | | | | | 1.1 | 5.7 |
| NNW | .3 | .1 | .1 | | | | | | | | .6 | 3.8 |
| VARIABLE | 2.0 | 1.1 | .2 | | | | | | | | 3.3 | 3.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | 25.3 | //// |
| TOTALS | 28.9 | 24.2 | 9.0 | 6.6 | 3.8 | 1.0 | .7 | .4 | .1 | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | 1.3 | .2 | | | | | | | | | 1.8 | 5.2 |
| NNE | .1 | .3 | .2 | | | | | | | | | .7 | 5.7 |
| NE | .4 | 1.8 | .8 | .1 | | .1 | .1 | | | | | 3.3 | 7.0 |
| ENE | 1.4 | 2.0 | 1.4 | .4 | .2 | | | | | | | 5.6 | 6.1 |
| E | 4.0 | 3.8 | 2.1 | 1.0 | .7 | .2 | .1 | | | | | 11.9 | 6.6 |
| ESE | 2.4 | 3.6 | 1.7 | 1.3 | .2 | .4 | .1 | .3 | | | | 10.6 | 8.7 |
| SE | 1.2 | 1.7 | 1.9 | 2.7 | .6 | .3 | .2 | .1 | | | | 8.7 | 10.9 |
| SSE | 1.1 | .7 | .4 | 1.0 | .4 | .6 | | | | | | 4.2 | 10.6 |
| S | .7 | 1.0 | 1.1 | .6 | | | | | | | | 3.3 | 6.8 |
| SSW | .2 | .4 | .1 | .1 | | | | | | | | .9 | 5.5 |
| SW | 1.3 | .6 | .1 | | | | | | | | | 2.0 | 3.0 |
| WSW | 3.2 | .9 | .4 | | | | | | | | | 4.6 | 3.1 |
| W | 7.1 | 3.1 | .9 | | | | | | | | | 11.1 | 3.3 |
| WNW | 2.0 | .9 | .4 | .1 | | | | | | | | 3.4 | 3.9 |
| NW | .3 | .2 | .3 | .2 | | | | | | | | 1.1 | 6.7 |
| NNW | .1 | .2 | .2 | | | | | | | | | .6 | 5.2 |
| VARIABLE | 1.1 | .4 | .2 | | | | | | | | | 1.8 | 3.4 |
| CALM | //////////////////// | | | | | | | | | | | 24.6 | //// |
| TOTALS | 27.1 | 22.9 | 12.7 | 8.0 | 2.1 | 1.7 | .6 | .4 | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .3 | .9 | .8 | | | | | | | | 2.0 | 5.8 |
| NNE | | .3 | | | | | | | | | .3 | 4.7 |
| NE | .6 | 1.3 | .6 | .2 | | | .1 | | | | 2.8 | 6.6 |
| ENE | 1.7 | 2.7 | 1.3 | .3 | .1 | | | | | | 5.1 | 5.6 |
| E | 3.4 | 8.2 | 2.9 | .9 | .4 | .2 | | .2 | | | 16.3 | 6.5 |
| ESE | 2.1 | 3.8 | 2.4 | 2.1 | .6 | .3 | .1 | | | | 11.4 | 8.3 |
| SE | 2.2 | 1.7 | 2.1 | 2.2 | 1.0 | .7 | .1 | | | | 10.0 | 10.2 |
| SSE | 1.1 | .7 | 1.0 | 1.7 | 1.0 | | | | | | 5.4 | 9.8 |
| S | .6 | .8 | .4 | .1 | .1 | | | | | | 2.0 | 6.4 |
| SSW | | .2 | .2 | .2 | | | | | | | .7 | 8.5 |
| SW | .8 | .3 | .1 | .1 | | | | | | | 1.3 | 4.7 |
| WSW | 1.3 | .4 | .2 | .3 | | | | | | | 2.3 | 4.9 |
| W | 4.4 | 1.9 | .4 | .1 | | | | | | | 6.9 | 3.4 |
| WNW | .7 | .6 | .1 | | | | | | | | 1.3 | 3.9 |
| NW | .7 | .4 | .1 | | | | | | | | 1.2 | 3.8 |
| NNW | .2 | .1 | | | | | | | | | .7 | 3.7 |
| VARIABLE | .8 | .2 | .3 | | | | | | | | 1.7 | 4.6 |
| CALM | //////////////////////////////////// | | | | | | | | | | 28.1 | //// |
| TOTALS | 20.9 | 24.6 | 13.1 | 8.3 | 3.2 | 1.7 | .3 | .2 | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .6 | .1 | .6 | | | | | | | | | 1.2 | 5.3 |
| NNE | | .6 | .1 | | | | | | | | | .7 | 6.3 |
| NE | .9 | 3.0 | .7 | .9 | .1 | | | | | | | 5.6 | 6.6 |
| ENE | 2.7 | 4.0 | 2.0 | .1 | | | | | | | | 8.8 | 4.9 |
| E | 6.7 | 11.0 | 5.0 | 1.4 | .2 | .1 | .1 | | | | | 24.6 | 5.7 |
| ESE | 3.1 | 4.6 | 3.2 | .6 | .1 | .3 | .2 | .1 | | | | 12.2 | 6.9 |
| SE | 1.6 | 2.1 | 2.3 | 2.2 | .9 | .4 | .2 | .1 | | | | 9.9 | 10.3 |
| SSE | .1 | 1.0 | .7 | 1.1 | .7 | .6 | | | | | | 4.1 | 12.9 |
| S | .3 | .3 | 1.0 | .2 | | | | | | | | 1.9 | 7.5 |
| SSW | .1 | .1 | .1 | | | | | | | | | .3 | 5.7 |
| SW | .1 | .3 | .1 | | | | | | | | | .6 | 5.0 |
| WSW | .3 | .4 | .3 | .2 | | | | | | | | 1.3 | 6.3 |
| W | 2.0 | .8 | .1 | .4 | | | | | | | | 3.3 | 4.3 |
| WNW | 1.2 | .3 | .2 | .1 | | | | | | | | 1.9 | 4.7 |
| NW | .3 | | .1 | | | | | | | | | .4 | 3.3 |
| NNW | .2 | | .2 | | | | | | | | | .4 | 6.0 |
| VARIABLE | 1.0 | .6 | | | | | | | | | | 1.6 | 3.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 21.2 | //// |
| TOTALS | 21.2 | 29.2 | 16.8 | 7.3 | 2.0 | 1.4 | .6 | .2 | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AP GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-66 | |
| N | .2 | .7 | .4 | .0 | | .0 | | | | | 1.3 | 5.7 |
| NNE | .1 | | .2 | .1 | | .0 | | | | | .9 | 7.2 |
| NE | .9 | 2.2 | .9 | .3 | .1 | .0 | .0 | | | | 4.4 | 6.2 |
| ENE | 2.0 | 3.8 | 1.4 | .4 | .1 | .0 | .0 | | | | 7.8 | 5.5 |
| E | 5.5 | 6.7 | 3.5 | 1.2 | .4 | .2 | .1 | .0 | .0 | | 19.5 | 5.8 |
| ESE | 3.2 | 4.8 | 2.5 | 1.3 | .6 | .3 | .2 | .2 | | .0 | 13.2 | 7.9 |
| SE | 1.7 | 2.5 | 2.1 | 1.9 | .6 | .4 | .2 | .0 | | | 9.4 | 9.4 |
| SSE | .6 | .9 | .9 | 1.2 | .7 | .2 | .0 | | | | 4.4 | 10.8 |
| S | .5 | .6 | .7 | .3 | .0 | | | | | | 2.1 | 6.6 |
| SSW | .2 | .2 | .1 | .1 | | | | | | | .6 | 5.1 |
| SW | .7 | .4 | .1 | .0 | | | | | | | 1.3 | 3.6 |
| WSW | 1.1 | .6 | .3 | .1 | | | | | | | 2.0 | 4.1 |
| W | 3.0 | 1.2 | .5 | .1 | | | | | | | 4.9 | 3.7 |
| WNW | .9 | .3 | .2 | .1 | .0 | | | | | | 1.5 | 4.2 |
| NW | .3 | .2 | .1 | .1 | | | | | | | .7 | 5.0 |
| NNW | .2 | .1 | .1 | .0 | | | | | | | .4 | 4.5 |
| VARIABLE | 1.4 | .8 | .2 | | | | | | | | 2.4 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | 23.3 | //// |
| TOTALS | 22.6 | 28.3 | 14.1 | 7.0 | 2.5 | 1.3 | .6 | .3 | .0 | .0 | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: U42020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS/LSST: 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | .5 | .3 | | | | | | | | 1.1 | 8.9 |
| NNE | | .2 | .1 | .1 | | | | | | | | .4 | 7.5 |
| NE | .9 | 2.3 | 1.0 | .3 | | | | .1 | | | | 4.5 | 6.6 |
| ENE | 1.8 | 5.4 | 4.2 | 1.0 | .2 | | | | | | | 12.6 | 6.5 |
| E | .1 | 13.0 | 11.4 | 1.7 | .4 | .5 | .1 | .1 | | | | 31.4 | 7.1 |
| ESE | 1.0 | 4.6 | 9.0 | 2.5 | .5 | .2 | .2 | | | | | 18.1 | 8.5 |
| SE | .3 | 2.5 | 5.7 | 1.7 | .3 | .6 | | | | | | 11.2 | 9.7 |
| SSE | .3 | .5 | 1.2 | .8 | | .3 | .4 | | | | | 3.5 | 12.3 |
| S | | .2 | .6 | .3 | .2 | | | | | | | 1.4 | 10.3 |
| SSW | | .2 | .2 | | | | | | | | | .4 | 7.0 |
| SW | | .2 | .1 | .1 | .1 | | | | | | | .5 | 10.2 |
| WSW | .3 | .3 | .3 | .1 | | | | | | | | 1.1 | 6.5 |
| W | .2 | .4 | .2 | .3 | | | | | | | | 1.2 | 7.4 |
| WNW | .2 | .1 | .1 | | | | | | | | | .4 | 4.5 |
| NW | | .1 | .1 | | | | | | | | | .2 | 8.0 |
| NNW | .1 | | | | | | | | | | | .1 | 3.0 |
| VARIABLE | .0 | 1.5 | .2 | .3 | | | | | | | | 2.8 | 5.4 |
| CALM | //////////////////// | | | | | | | | | | | 9.0 | //// |
| TOTALS | 10.1 | 31.7 | 35.1 | 9.6 | 1.8 | 1.7 | .8 | .2 | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .2 | .3 | .1 | .1 | | | | | | .8 | 10.6 |
| NNE | .2 | .1 | .1 | .2 | | | | | | | .6 | 9.0 |
| NE | 1.8 | 2.7 | 1.8 | | .2 | | | | | | 6.0 | 5.7 |
| ENE | 1.3 | 5.1 | 4.6 | 1.2 | .4 | | | | | | 12.6 | 7.3 |
| E | 2.3 | 14.4 | 11.2 | 1.8 | 1.1 | .4 | .2 | .2 | | | 31.6 | 7.6 |
| ESE | .8 | 4.9 | 6.9 | 1.3 | .5 | .5 | .2 | .1 | | | 15.3 | 8.8 |
| SE | .3 | 2.3 | 6.7 | 1.9 | .6 | .3 | | | | | 12.2 | 9.5 |
| SSE | .3 | .5 | 1.4 | .8 | .1 | .1 | .1 | .1 | | .1 | 3.5 | 12.0 |
| S | | .3 | .1 | .3 | .1 | | | | | | .9 | 10.1 |
| SSW | .1 | | .2 | .1 | | | | | | | .4 | 8.0 |
| SW | .2 | .5 | .1 | | | | | | | | .9 | 4.5 |
| WSW | .1 | .5 | .6 | .1 | | | | | | | 1.4 | 6.8 |
| W | .3 | .2 | .2 | .1 | | | | | | | .9 | 5.9 |
| WNW | | .2 | | | | | | | | | .2 | 6.0 |
| WV | | | .1 | | | | | | | | .1 | 7.0 |
| NNW | | | | | | | | | | | | |
| VARIABLE | 1.5 | 1.1 | .2 | .2 | | | | | | | 3.0 | 4.6 |
| CALM | //////////////////////////////////// | | | | | | | | | | 9.7 | //// |
| TOTALS | 9.2 | 32.6 | 34.6 | 8.2 | 3.2 | 1.4 | .5 | .4 | | .1 | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .1 | | | | | | | | | | .1 | 6.0 |
| NNF | | .2 | .2 | .3 | | | | | | | | .8 | 10.1 |
| NE | .9 | 3.7 | 1.9 | .3 | .1 | | | | | | | 6.9 | 6.3 |
| ENE | 1.5 | 5.2 | 3.4 | .1 | .6 | .1 | | | | | | 11.0 | 6.9 |
| E | 3.9 | 11.3 | 13.7 | 1.3 | .9 | .5 | .3 | .3 | | | | 32.2 | 7.8 |
| ESE | 1.4 | 5.8 | 8.3 | 1.4 | .1 | .6 | .1 | | | | | 17.7 | 8.0 |
| SE | 1.3 | 2.8 | 5.7 | 1.1 | .6 | .5 | | | | .1 | | 12.2 | 9.2 |
| SSE | | .9 | .9 | 1.0 | .3 | | .1 | .3 | | | | 3.4 | 12.6 |
| S | .1 | .2 | .3 | .2 | | | .1 | | | | | 1.0 | 10.6 |
| SSW | .2 | .2 | .1 | .2 | | | | | | | | .8 | 7.3 |
| SW | .1 | .3 | .1 | | | | | | | | | .5 | 5.0 |
| WSW | .2 | .5 | .4 | | | | | | | | | 1.2 | 5.9 |
| W | .3 | .6 | .4 | .3 | | | | | | | | 1.7 | 6.9 |
| WNW | | | .1 | | | | | | | | | .1 | 7.0 |
| NW | | .1 | | | | | | | | | | .1 | 5.0 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | 1.3 | 1.4 | .7 | .2 | .1 | | | | | | | 3.2 | 5.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.2 | //// |
| TOTALS | 11.2 | 33.3 | 35.8 | 6.5 | 2.8 | 1.8 | .6 | .6 | | .1 | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | .2 | .1 | | | | | | | .4 | 9.5 |
| NNE | | .1 | .2 | .1 | | | | | | | .4 | 9.8 |
| NE | 1.8 | 2.9 | 1.1 | .1 | | | | | | | 5.9 | 5.0 |
| NNE | 1.8 | 5.9 | 3.2 | .5 | .4 | .2 | | | | | 12.2 | 6.7 |
| E | 3.4 | 14.4 | 9.9 | 1.1 | .6 | .4 | .2 | .1 | | | 30.2 | 7.0 |
| ESE | 1.1 | 7.2 | 7.0 | 1.4 | .2 | .4 | .1 | .1 | .1 | | 17.6 | 8.2 |
| SE | .5 | 3.0 | 6.8 | 2.0 | .3 | .1 | | .1 | | .2 | 13.1 | 9.7 |
| SSE | .2 | .2 | 1.0 | 1.3 | .1 | .6 | .1 | .1 | | | 3.7 | 14.2 |
| S | .1 | .5 | .2 | .6 | | | .2 | | | | 1.7 | 11.3 |
| SSW | .2 | .1 | .2 | .1 | | | | | | | .6 | 6.7 |
| SW | .1 | .1 | .1 | .3 | | | | | | | .6 | 9.8 |
| WSW | .3 | .4 | .3 | | | | | | | | 1.1 | 5.2 |
| W | .5 | .2 | | .2 | .1 | | | | | | 1.7 | 6.0 |
| WW | | | .1 | | .1 | | | | | | .2 | 14.0 |
| NW | | .1 | .1 | | | | | | | | .2 | 7.0 |
| NNW | | | | | | | | | | | | |
| VARIABLE | 1.2 | .5 | .2 | | .1 | | | | | | 2.0 | 4.6 |
| CALM | //////////////////////////////////// | | | | | | | | | | 8.2 | //// |
| TOTALS | 11.4 | 36.6 | 30.6 | 9.0 | 2.0 | 1.8 | .6 | .4 | .1 | .2 | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AF GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(UT): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | | |
| N | .1 | .2 | .1 | | .1 | | | | | | | .5 | 7.4 |
| NNE | .1 | .1 | .3 | | | | | | | | | .5 | 6.8 |
| NE | 1.1 | 1.8 | .9 | .3 | .1 | | | | | | | 4.2 | 5.6 |
| ENE | 1.9 | 6.0 | 2.6 | .2 | .4 | .1 | .2 | | | | | 11.4 | 6.6 |
| E | 3.8 | 13.5 | 8.1 | 1.8 | 1.2 | .5 | .3 | .1 | | | | 29.4 | 7.3 |
| ESE | 1.4 | 3.2 | 7.6 | 1.3 | .3 | .3 | .1 | .1 | | | | 19.4 | 7.7 |
| SE | .9 | 3.3 | 6.7 | 1.4 | .3 | .3 | .1 | .1 | | | | 13.0 | 8.8 |
| SSE | .2 | .4 | 1.0 | 1.0 | .4 | .5 | | .2 | .1 | | | 3.9 | 14.9 |
| S | .4 | .3 | .3 | .2 | .1 | | | | | | | 1.4 | 7.2 |
| SSW | .2 | .3 | .1 | | | | | | | | | .6 | 4.5 |
| SW | .2 | .2 | .4 | | | | | | | | | .9 | 6.3 |
| WSW | .3 | .8 | .7 | .2 | | | | | | | | 1.5 | 6.1 |
| W | .1 | .4 | .1 | | | | | | | | | .6 | 4.8 |
| WNW | .1 | | .7 | | | | | | | | | .4 | 6.8 |
| NW | | .1 | .3 | | .1 | | | | | | | .5 | 9.6 |
| NNW | | .1 | | .1 | | | | | | | | .2 | 6.0 |
| VARIABLE | 1.4 | 1.2 | | | | | | | | | | 2.6 | 3.4 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 8.9 | //// |
| TOTALS | 12.0 | 37.1 | 29.0 | 6.6 | 3.1 | 1.8 | .4 | .5 | .1 | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AP GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LOCAL): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | .1 | | | | | | | | .1 | 9.0 |
| NNE | .2 | .4 | .2 | | | | | | | | .8 | 5.5 |
| NE | .5 | 2.7 | 1.0 | .2 | | | | | | | 4.4 | 6.7 |
| NNE | 1.5 | 6.9 | 3.2 | .6 | .2 | | .2 | | | | 12.7 | 6.6 |
| E | 3.4 | 15.1 | 10.1 | 1.8 | .9 | .4 | .3 | | | | 32.0 | 7.2 |
| ESE | 1.0 | 7.1 | 7.6 | 1.9 | .3 | .4 | .2 | .1 | | | 19.7 | 8.1 |
| SE | .9 | 2.3 | 5.6 | 1.3 | .6 | .2 | .3 | .1 | .1 | | 11.4 | 9.9 |
| SSE | .2 | .4 | 1.4 | 1.2 | .2 | .5 | | | | | 4.7 | 12.2 |
| S | .7 | .1 | .2 | .4 | | | | | | | 1.3 | 6.7 |
| SSW | .1 | .5 | .3 | .3 | | | | | | | 1.7 | 7.3 |
| SW | .2 | .4 | .3 | .1 | .1 | | | | | | 1.2 | 7.4 |
| WSW | .1 | .2 | .1 | .1 | | | | | | | .7 | 6.3 |
| W | .7 | .1 | .1 | .1 | | | | | | | .8 | 6.2 |
| WNW | .1 | | .2 | | | | | | | | .3 | 7.3 |
| NW | | | .1 | .2 | | | | | | | .3 | 12.0 |
| NNW | | | .1 | | | | | | | | .1 | 12.0 |
| VARIABLE | 1.0 | 1.2 | .1 | | | | | | | | 2.3 | 4.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | 8.0 | //// |
| TOTALS | 2.2 | 17.5 | 30.9 | 6.4 | 2.4 | 1.6 | 1.1 | .2 | .1 | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .3 | .2 | .1 | | | | | | | | .6 | 7.2 |
| NNE | .1 | .1 | .1 | | | | | | | | | .3 | 4.7 |
| NE | .4 | 3.5 | 1.0 | .6 | .1 | | | | | | | 5.7 | 6.7 |
| ENE | .9 | 6.3 | 3.4 | .6 | .3 | | | | | | | 11.6 | 6.6 |
| E | 3.8 | 14.7 | 12.2 | 1.4 | .6 | .3 | .4 | | | | | 33.4 | 7.0 |
| ESE | 1.2 | 3.5 | 11.2 | 1.8 | .3 | .2 | .5 | .3 | | | | 19.1 | 9.2 |
| SE | .1 | 2.3 | 4.7 | 2.2 | .5 | .1 | .4 | .2 | | | | 10.5 | 10.9 |
| SSE | .2 | .6 | 1.1 | .4 | .3 | .6 | .2 | .2 | | | | 3.8 | 14.5 |
| S | | 1.3 | .8 | .3 | .1 | | | | | | | 2.5 | 7.6 |
| SSW | .1 | .4 | .1 | | | | | | | | | .6 | 5.5 |
| SW | .2 | | .2 | .2 | | | | | | | | .6 | 8.2 |
| WSW | .2 | | .1 | .1 | | | | | | | | .4 | 7.0 |
| W | | .3 | .6 | .1 | | | | | | | | 1.1 | 8.1 |
| WNW | | .2 | | | | | | | | | | .2 | 4.5 |
| NW | | .2 | .1 | | | | | | | | | .3 | 7.3 |
| NNW | .1 | .1 | .1 | | | | | | | | | .3 | 6.3 |
| VARIABLE | 1.1 | .8 | .1 | | | | | | | | | 1.9 | 3.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 6.8 | //// |
| TOTALS | 9.4 | 34.8 | 36.0 | 8.0 | 2.4 | 1.3 | 1.6 | .8 | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOHAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(EST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .2 | .2 | .1 | | | | | | | .5 | 7.8 |
| NNE | | .1 | | .1 | | | | | | | .2 | 9.0 |
| NE | .4 | 3.1 | 1.5 | | .2 | | | | | | 5.3 | 6.2 |
| ENE | 1.0 | 5.9 | 2.5 | .3 | .3 | .1 | | | | | 10.1 | 6.5 |
| E | 3.5 | 13.5 | 11.5 | 1.4 | .4 | | .3 | | | | 30.9 | 6.9 |
| ESE | 1.7 | 6.1 | 9.9 | 2.2 | .3 | .1 | .6 | .1 | | | 21.1 | 8.4 |
| SE | .5 | 2.0 | 5.4 | 2.5 | .5 | .2 | .6 | .3 | | | 12.2 | 11.1 |
| SSE | .2 | .5 | 1.5 | .6 | .5 | .2 | .4 | | | | 4.1 | 12.9 |
| S | .3 | .6 | .9 | .2 | .1 | | | | | | 2.2 | 7.6 |
| SSW | .1 | .2 | | | | | | | | | .3 | 4.0 |
| SW | .1 | .3 | .5 | .3 | | | | | | | 1.3 | 9.2 |
| WSW | .2 | | .2 | | | | | | | | .4 | 5.3 |
| W | .2 | .2 | .4 | .3 | | | | | | | 1.2 | 7.7 |
| NNW | | | .1 | | | | | | | | .1 | 9.0 |
| NW | .1 | .1 | .1 | .1 | | | | | | | .4 | 7.0 |
| NNW | | .1 | .1 | .1 | | | | | | | .3 | 9.0 |
| VARIABLE | .5 | 1.0 | .1 | | | .1 | | | | | 1.8 | 5.1 |
| CALM | //////////////////// | | | | | | | | | | 7.7 | //// |
| TOTALS | 9.1 | 34.2 | 34.9 | 8.3 | 2.5 | .8 | 2.0 | .4 | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOHAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .0 | .2 | .2 | .1 | .0 | | | | | | | .5 | 8.6 |
| NNE | .1 | .2 | .2 | .1 | | | | | | | | .5 | 7.6 |
| NE | 1.0 | 2.8 | 1.3 | .2 | .1 | | | .0 | | | | 5.4 | 6.0 |
| ENE | 1.5 | 5.8 | 3.4 | .6 | .4 | .1 | .1 | | | | | 11.8 | 6.7 |
| E | 3.5 | 13.7 | 11.0 | 1.5 | .8 | .4 | .3 | .1 | | | | 31.4 | 7.2 |
| ESE | 1.2 | 5.9 | 8.4 | 1.7 | .3 | .4 | .3 | .1 | .0 | | | 18.4 | 8.4 |
| SE | .6 | 2.6 | 5.9 | 1.8 | .5 | .3 | .2 | .1 | .0 | .0 | | 12.0 | 9.8 |
| SEF | .2 | .5 | 1.2 | .9 | .3 | .4 | .2 | .1 | .0 | .0 | | 3.7 | 13.3 |
| S | .2 | .5 | .4 | .3 | .1 | | .0 | | | | | 1.5 | 8.9 |
| SSW | .1 | .3 | .2 | .1 | | | | | | | | .6 | 6.5 |
| SW | .1 | .3 | .2 | .1 | .0 | | | | | | | .8 | 7.4 |
| WSW | .2 | .4 | .3 | .1 | | | | | | | | 1.0 | 6.2 |
| W | .3 | .4 | .3 | .2 | .0 | | | | | | | 1.1 | 6.8 |
| WNW | .1 | .1 | .1 | | .0 | | | | | | | .3 | 6.9 |
| NW | .0 | .1 | .1 | .0 | .0 | | | | | | | .3 | 8.4 |
| NNW | .0 | .0 | .0 | .0 | | | | | | | | .1 | 7.2 |
| VARIABLE | 1.1 | 1.1 | .1 | .1 | .0 | .0 | | | | | | 2.5 | 4.5 |
| CALM | //////////////////////////////////// | | | | | | | | | | 8.2 | //// | |
| TOTALS | 10.2 | 34.7 | 33.4 | 7.9 | 2.5 | 1.5 | 1.0 | .5 | .0 | .1 | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | | | | | | | | | | |
| NNE | | | .3 | | | | | | | | .3 | 8.3 |
| NE | 1.0 | 2.4 | .9 | .2 | .1 | .1 | | | | | 4.8 | 6.1 |
| ENE | 2.2 | 7.1 | 3.8 | .6 | .1 | | .1 | .1 | | | 14.0 | 6.4 |
| E | 2.3 | 12.0 | 15.2 | 1.4 | .6 | .3 | .1 | | .1 | | 33.0 | 7.3 |
| ESE | 1.6 | 3.7 | 7.6 | 2.2 | 1.0 | .1 | .1 | .2 | | | 16.4 | 9.0 |
| SE | .9 | 3.3 | 5.6 | 1.6 | 1.3 | .4 | .7 | .3 | | | 14.1 | 10.8 |
| SSE | .1 | 1.1 | .8 | 1.0 | .1 | .3 | .1 | | | | 3.6 | 11.6 |
| S | .2 | .3 | .1 | .4 | .1 | .1 | | | | | 1.3 | 10.5 |
| SSW | .1 | .1 | | | | | | | | | .2 | 3.0 |
| SW | .1 | .1 | .2 | | | | | | | | .4 | 6.5 |
| WSW | | .1 | .3 | | | | | | | | .4 | 7.5 |
| W | .3 | .4 | .2 | .1 | | | | | | | 1.1 | 5.3 |
| WNW | .1 | | .1 | .1 | | | | | | | .3 | 7.7 |
| NW | | | | .1 | | | | | | | .1 | 12.0 |
| NNW | | | | | | | | | | | | |
| VARIABLE | 1.2 | 1.3 | .2 | | | | | | | | 2.8 | 3.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | 7.0 | //// |
| TOTALS | 10.2 | 33.0 | 35.3 | 7.8 | 3.3 | 1.4 | 1.1 | .7 | .1 | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | | | | | | | | | | .2 | 2.0 |
| NNE | | | | | | | | | | | | |
| NE | .4 | 2.7 | .7 | .8 | .1 | | | | | | 4.7 | 6.8 |
| ENE | 2.6 | 6.7 | 3.0 | .2 | .1 | .1 | .1 | | | | 14.8 | 5.8 |
| E | 2.3 | 13.0 | 13.9 | 2.4 | .3 | .3 | | .3 | | | 32.7 | 7.5 |
| ESE | .9 | 6.1 | 8.3 | 2.1 | .3 | .2 | .1 | .3 | | | 18.4 | 8.6 |
| SE | .4 | 3.1 | 4.6 | 1.1 | 1.1 | .4 | .2 | .8 | .1 | | 11.9 | 11.9 |
| SSE | .6 | .8 | 1.0 | .8 | .3 | .3 | .6 | | | | 4.3 | 12.7 |
| S | | .2 | .1 | .3 | | | | | | | .7 | 9.7 |
| SSW | .2 | .1 | .1 | | | | | | | | .4 | 4.8 |
| SW | .1 | .2 | .1 | .3 | | | | | | | .8 | 8.0 |
| WSW | .1 | .4 | | .1 | | | | | | | .7 | 6.2 |
| W | .1 | .4 | .2 | .1 | .1 | | | | | | 1.0 | 7.9 |
| WNW | | | .2 | .1 | | | | | | | .3 | 10.3 |
| NW | .1 | | | | | | | | | | .1 | 2.0 |
| NNW | .1 | | | | | | | | | | .1 | 2.0 |
| VARIABLE | 1.3 | .7 | .1 | .1 | | | | | | | 2.2 | 3.8 |
| CALM | //////////////////////////////////// | | | | | | | | | | 6.7 | //// |
| TOTALS | 9.6 | 36.4 | 32.7 | 8.6 | 2.4 | 1.4 | 1.0 | 1.4 | .1 | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(1ST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | | | | | | | | | | |
| NNE | .1 | | | | | | | | | | .1 | 2.0 |
| NE | .7 | 3.1 | 1.0 | .1 | | | | | | | 4.9 | 5.2 |
| ENE | 2.1 | 6.1 | 3.9 | .2 | | | | | | | 12.4 | 5.7 |
| E | 2.9 | 12.4 | 14.3 | 2.1 | .8 | .1 | | .1 | .1 | | 32.7 | 7.4 |
| ESE | 1.1 | 5.9 | 9.4 | 1.6 | 1.0 | .1 | .4 | .2 | | .1 | 19.8 | 9.1 |
| SE | .4 | 3.3 | 4.7 | 1.3 | 1.0 | .6 | | .4 | | | 11.8 | 10.4 |
| SSE | | .9 | 1.1 | .6 | .1 | 1.1 | .2 | | .1 | | 4.1 | 15.1 |
| S | .1 | .2 | .4 | .2 | | | | | | | 1.0 | 7.8 |
| SSW | .2 | .1 | .2 | .1 | | | | | | | .7 | 6.5 |
| SW | .2 | .3 | .3 | | | | | | | | .2 | 5.0 |
| WSW | .3 | .2 | | | | | | | | | .6 | 3.6 |
| W | .4 | .2 | .2 | | | | | | | | .9 | 4.5 |
| WNW | | | .1 | | | | | | | | .1 | 10.0 |
| NW | | | .2 | | | | | | | | .2 | 7.5 |
| NNW | | | .1 | | | | | | | | .1 | 7.0 |
| VARIABLE | .7 | .8 | .7 | | | | | | | | 2.1 | 4.7 |
| CALM | //////////////////////////////////// | | | | | | | | | | 7.6 | //// |
| TOTALS | 9.4 | 33.6 | 36.6 | 6.2 | 2.9 | 1.9 | .7 | .8 | .2 | .1 | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 598

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(ELST): 0200-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|----|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56 | | |
| N | .1 | | | | | | | | | | | .1 | 2.0 |
| NNE | | .2 | .4 | .1 | | | | | | | | .4 | 6.9 |
| NE | .7 | 2.0 | .7 | .3 | .2 | | | | | | | 3.9 | 6.3 |
| ENE | 2.0 | 7.0 | 4.2 | .2 | .2 | | | | | | | 13.7 | 6.0 |
| E | 2.1 | 11.6 | 13.2 | 1.3 | .6 | .4 | .1 | | .1 | | | 29.4 | 7.6 |
| ESE | .7 | 6.0 | 8.6 | 1.3 | .3 | .2 | .2 | | .1 | | | 17.4 | 8.2 |
| SE | .2 | 4.6 | 4.2 | 1.6 | 1.0 | .9 | .3 | | .1 | | | 17.4 | 10.6 |
| SSE | | .7 | 1.0 | .8 | .7 | .1 | | | .1 | | | 3.3 | 12.6 |
| S | .3 | .6 | | | | .2 | | | | | | 1.1 | 9.4 |
| SSW | | .1 | .1 | | .1 | | | | | | | .2 | 13.3 |
| SW | .1 | .4 | .1 | | | | | | | | | .2 | 4.8 |
| WSW | .3 | .4 | .2 | .3 | | | | | | | | 1.3 | 6.2 |
| W | .4 | .2 | .2 | | | | | | | | | .4 | 4.9 |
| WNW | | | | | | | | | | | | | |
| Nw | | .1 | | .1 | | | | | | | | .2 | 7.5 |
| NNW | | | .2 | | | | | | | | | .2 | 8.5 |
| VARIABLE | 1.0 | .8 | .3 | .3 | | | .1 | .1 | | | | 2.6 | 7.4 |
| CALM | //////////////////// | | | | | | | | | | | 11.1 | //// |
| TOTALS | 8.0 | 34.7 | 33.6 | 6.3 | 3.1 | 1.9 | .8 | .1 | .4 | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFELTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .1 | .2 | | | | | | | | .3 | 4.3 |
| NNE | | | | .1 | | | | | | | .1 | 14.0 |
| NE | .9 | 2.2 | .4 | .4 | .3 | | | | | | 4.3 | 6.7 |
| ENE | 1.2 | 7.1 | 3.7 | .3 | .1 | .1 | | | | | 12.6 | 6.2 |
| E | 2.6 | 12.3 | 13.4 | 1.7 | .9 | .2 | | | | | 31.1 | 7.1 |
| ESE | .6 | 4.0 | 9.8 | 1.8 | .4 | .2 | .1 | | | | 16.9 | 8.5 |
| SE | .4 | 3.0 | 5.8 | 1.4 | .9 | .8 | .4 | .4 | | | 13.2 | 11.7 |
| SSE | .1 | 1.3 | 1.7 | .8 | .2 | | | | | | 4.1 | 9.7 |
| S | .2 | .1 | .1 | .2 | .1 | .1 | | | | | .9 | 11.1 |
| SSW | | | .1 | | | | | | | | .1 | 10.0 |
| SW | .1 | .2 | .1 | .1 | | | | | | | .6 | 6.2 |
| WSW | | | .2 | | | | | | | | .2 | 8.0 |
| W | .2 | .8 | .2 | .1 | | | | | | | 1.3 | 5.8 |
| WNW | | .1 | .1 | .1 | | | | | | | .3 | 7.3 |
| NW | | .6 | | | | | | | | | .6 | 4.2 |
| NNW | .2 | | | | | | | | | | .2 | 2.0 |
| VARIABLE | 1.4 | .7 | .2 | .2 | | | | | | | 2.6 | 4.3 |
| CALM | //////////////////// | | | | | | | | | | 10.6 | //// |
| TOTAL* | 8.0 | 32.6 | 36.1 | 7.3 | 3.0 | 1.4 | .6 | .4 | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(EST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | | | | | | | | | | |
| NNE | .1 | .1 | .1 | | .1 | | | | | | .4 | 9.0 |
| NF | .5 | 3.2 | 1.1 | | | | | | | | 4.7 | 5.5 |
| ENE | 2.1 | 5.2 | 4.8 | .4 | .2 | | | | | | 12.8 | 6.4 |
| E | 2.6 | 12.3 | 13.8 | 3.1 | 1.1 | .1 | | | | | 32.0 | 7.6 |
| ESE | 1.0 | 4.8 | 6.9 | 2.4 | .2 | | | .3 | | .2 | 15.9 | 5.9 |
| SE | .4 | 2.1 | 3.8 | 1.8 | .3 | | .9 | .1 | | .1 | 9.6 | 11.6 |
| SSE | .1 | 1.1 | 1.3 | .6 | .3 | .2 | | .1 | | | 3.8 | 10.3 |
| S | .3 | .4 | .4 | | .1 | .1 | | | | | 1.4 | 5.0 |
| SSW | .2 | .4 | .1 | | | | | | | | .8 | 4.6 |
| SW | .2 | | | | | | | | | | .2 | 2.0 |
| WSW | .1 | .2 | .1 | .2 | | | | | | | .7 | 7.3 |
| W | .2 | .2 | .4 | .2 | | | | | | | 1.1 | 7.1 |
| WNW | .1 | .2 | | .2 | | | | | | | .6 | 7.4 |
| NW | | | | | | | | | | | | |
| NNW | .1 | .1 | .1 | | | | | | | | .3 | 5.7 |
| VARIABLE | 1.9 | 1.4 | .2 | .3 | .3 | .1 | | | | | 4.3 | 5.9 |
| CALM | //////////////////// | | | | | | | | | | 10.4 | //// |
| TOTALS | 2.9 | 32.0 | 33.2 | 9.3 | 2.8 | .6 | .9 | .6 | | .3 | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 260

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1900-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | | | .1 | | | | | | | .1 | 15.0 |
| NNE | | .1 | .1 | | | | | | | | .2 | 7.0 |
| NE | .2 | 2.7 | .8 | .2 | | | | | | | 5.9 | 6.2 |
| ENE | 1.8 | 6.7 | 4.2 | .4 | | | | | | | 13.1 | 6.0 |
| E | 2.6 | 10.9 | 15.6 | 2.0 | 1.0 | .1 | | | | | 32.3 | 7.4 |
| ESE | 1.2 | 3.4 | 7.3 | 2.6 | .4 | .1 | | .2 | .1 | | 15.4 | 9.2 |
| SE | .9 | 3.6 | 3.8 | 1.1 | .4 | .3 | .4 | .3 | | | 10.9 | 10.2 |
| SSE | .2 | .9 | 1.8 | 1.1 | .4 | .3 | .1 | | | | 4.9 | 11.5 |
| S | .2 | .8 | .7 | .6 | .2 | | | | | | 2.4 | 9.4 |
| SSW | | .1 | .2 | .2 | | | | | | | .6 | 9.2 |
| SW | .1 | .1 | .2 | | | | | | | | .4 | 6.3 |
| WSW | .2 | .3 | | | | | | | | | .6 | 4.2 |
| W | .6 | .3 | .1 | | | | | | | | 1.0 | 3.8 |
| WNW | | | | | | | | | | | | |
| W | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | |
| VARIABLE | 1.3 | 1.2 | .6 | .4 | | | | | | | 3.6 | 5.8 |
| CALM | //////////////////////////////////// | | | | | | | | | | 10.6 | //// |
| TOTALS | 9.3 | 31.1 | 35.6 | 6.8 | 2.6 | .9 | .6 | .6 | .1 | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 047020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(1ST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | | | .1 | | | | | | | | .2 | 9.0 |
| NNE | | | .1 | | | | | | | | | .1 | 8.0 |
| NE | .9 | 2.6 | 1.2 | .1 | | | | | | | | 4.8 | 5.6 |
| ENE | .6 | 7.6 | 3.1 | .7 | .2 | .2 | | | | | | 12.3 | 6.8 |
| E | 2.8 | 12.9 | 14.8 | 1.7 | .4 | .3 | .1 | | | | | 33.0 | 7.2 |
| ESE | .9 | 4.7 | 9.2 | 1.3 | .3 | .1 | | .3 | | | | 16.9 | 8.5 |
| SE | .3 | 3.3 | 2.9 | 2.1 | .3 | .9 | .6 | .1 | .1 | | | 10.7 | 11.7 |
| SSE | .3 | .7 | 1.1 | .4 | .4 | .3 | | .1 | | | | 3.4 | 11.5 |
| S | .2 | .2 | .6 | .2 | .1 | .2 | | | | | | 1.6 | 10.6 |
| SSW | .1 | .1 | | | | | | | | | | .2 | 4.0 |
| SW | .2 | .2 | | | | | | | | | | .4 | 4.0 |
| WSW | .1 | .4 | .1 | .2 | | | | | | | | .9 | 6.4 |
| W | .4 | .4 | | .2 | .1 | | | | | | | 1.2 | 6.6 |
| WNW | | .2 | | | | | | | | | | .2 | 5.0 |
| NW | .1 | | | .1 | | | | | | | | .2 | 7.5 |
| NNW | | .1 | | | | | | | | | | .1 | 5.0 |
| VARIABLE | 2.1 | .9 | .4 | | | | | | | | | 3.4 | 3.8 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.2 | //// |
| TOTALS | 9.2 | 34.3 | 33.6 | 7.2 | 2.0 | 2.1 | .7 | .6 | .1 | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .0 | .0 | .0 | | | | | | | | .1 | 7.1 |
| NNE | .0 | .1 | .1 | .0 | .0 | | | | | | | .3 | 4.5 |
| NE | .5 | 2.6 | .8 | .3 | .1 | .0 | | | | | | 4.5 | 6.0 |
| ENE | 1.8 | 6.9 | 3.8 | .4 | .1 | .1 | .0 | .0 | | | | 13.2 | 6.2 |
| E | 2.5 | 12.3 | 14.3 | 2.0 | .7 | .3 | .0 | .1 | .0 | | | 32.2 | 7.4 |
| ESE | 1.0 | 4.8 | 8.4 | 1.9 | .5 | .1 | .1 | .2 | .0 | .0 | | 17.2 | 8.7 |
| SE | .5 | 3.3 | 4.4 | 1.5 | .8 | .5 | .4 | .3 | .0 | .0 | | 11.9 | 11.0 |
| SSE | .2 | .9 | 1.2 | .8 | .3 | .3 | .1 | .0 | .0 | | | 5.2 | 11.8 |
| S | .2 | .4 | .5 | .3 | .1 | .1 | | | | | | 1.3 | 5.4 |
| SSW | .1 | .1 | .1 | .0 | .0 | | | | | | | .4 | 6.4 |
| SW | .2 | .2 | .1 | .1 | | | | | | | | .6 | 5.7 |
| WSW | .2 | .3 | .1 | .1 | | | | | | | | .7 | 6.1 |
| W | .1 | .4 | .2 | .1 | .0 | | | | | | | 1.1 | 5.8 |
| WNW | .0 | .1 | .1 | .1 | | | | | | | | .2 | 7.8 |
| NW | .0 | .1 | .0 | .0 | | | | | | | | .2 | 6.2 |
| NNW | .1 | .0 | .1 | | | | | | | | | .1 | 5.2 |
| VARIABLE | 1.4 | 1.0 | .3 | .2 | .0 | .0 | .0 | .0 | | | | 2.9 | 5.0 |
| CALM | //////////////////// | | | | | | | | | | | 9.3 | //// |
| TOTALS | 9.2 | 33.5 | 34.5 | 7.7 | 2.8 | 1.5 | .8 | .6 | .1 | .1 | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | .2 | | | | | | | | | .4 | 3.3 |
| NNE | .3 | .2 | | .1 | | | | | | | .6 | 5.0 |
| NE | .8 | 1.8 | 1.0 | .1 | .3 | | | | | | 4.2 | 6.5 |
| NNE | 1.2 | 6.7 | 5.7 | .8 | .1 | .2 | | | | | 14.6 | 6.8 |
| E | 3.1 | 11.5 | 13.0 | 1.9 | .5 | .3 | | | | | 30.4 | 7.2 |
| ESE | .9 | 4.4 | 7.4 | 1.9 | .4 | .6 | | | | | 15.6 | 8.6 |
| SE | .6 | 4.4 | 4.3 | .9 | .3 | .5 | .5 | | .1 | .1 | 11.8 | 9.8 |
| SSE | .2 | 1.0 | .5 | .5 | .6 | .5 | .2 | | | | 3.7 | 13.1 |
| S | .1 | .1 | .2 | .5 | .2 | .5 | | | | | 1.7 | 15.9 |
| SSW | .1 | .3 | | .4 | | | | | | | .9 | 8.9 |
| SW | .2 | .3 | | | | | | | | | .5 | 3.2 |
| WSW | .3 | .3 | | .3 | | | | | | | 1.0 | 5.8 |
| W | .2 | .9 | .1 | | | | | | | | 1.2 | 4.4 |
| WNW | .1 | .1 | .1 | | | | | | | | .3 | 5.3 |
| NW | .1 | .4 | .1 | | | | | | | | .6 | 5.2 |
| NNW | .1 | .3 | | | | | | | | | .4 | 4.5 |
| VARIABLE | .9 | 1.9 | .2 | .2 | .1 | .1 | | | | | 3.7 | 6.9 |
| CALM | //////////////////////////////////// | | | | | | | | | | 8.5 | //// |
| TOTALS | 9.2 | 34.9 | 32.8 | 7.7 | 2.9 | 2.9 | .8 | | .1 | .1 | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
DTAF/AFAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-P6
MONTH: DEC HOURS(IST): 0100-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | | | | | | | | | | .1 | 2.0 |
| NNE | .1 | .2 | | | | | | | | | .3 | 4.0 |
| NE | .5 | 2.2 | 1.3 | .2 | | | | | | | 4.2 | 6.1 |
| NNE | 1.1 | 7.3 | 4.1 | .4 | .8 | .2 | | | | | 13.9 | 7.1 |
| E | 2.3 | 11.5 | 13.5 | 1.9 | .8 | .3 | | .1 | | | 20.4 | 7.5 |
| ESE | 1.0 | 6.3 | 7.0 | 1.3 | .3 | .5 | .1 | | | | 16.6 | 7.5 |
| SE | 1.5 | 3.5 | 4.0 | 1.2 | .8 | .3 | .2 | | | | 11.5 | 8.5 |
| SSE | .1 | 1.8 | .9 | 1.1 | .4 | .3 | .1 | .1 | | | 4.8 | 11.7 |
| S | .1 | .2 | .4 | .9 | .5 | .3 | | | | | 2.5 | 13.9 |
| SSW | | .1 | | .1 | .1 | | | | | | .2 | 11.7 |
| SW | .1 | | .1 | | | | | | | | .2 | 4.5 |
| WSW | .1 | .2 | .1 | | | | | | | | .6 | 4.7 |
| W | .4 | .3 | .2 | | | | | | | | 1.0 | 4.8 |
| WNW | .1 | .2 | | | | | | | | | .3 | 4.0 |
| NW | .1 | | .2 | | | | | | | | .3 | 6.3 |
| NNW | .1 | .1 | .1 | | | | | | | | .3 | 6.5 |
| VARIABLE | 1.0 | .9 | .1 | | | .1 | | | | | 2.7 | 4.2 |
| CALC | //////////////////////////////////// | | | | | | | | | | 9.9 | //// |
| TOTALS | 9.6 | 34.9 | 32.0 | 7.1 | 3.7 | 2.2 | .4 | .2 | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| NNE | .1 | .3 | | | | | | | | | | .4 | 4.0 |
| NE | 1.1 | 2.6 | .6 | .5 | .2 | .1 | | | | | | 5.2 | 6.7 |
| ENE | 1.4 | 5.3 | 4.0 | .6 | .8 | .3 | | | .1 | .1 | | 12.6 | 7.9 |
| E | 3.2 | 11.8 | 14.9 | 2.7 | .2 | | | | .1 | | | 33.0 | 7.2 |
| ESE | 1.0 | 6.0 | 8.0 | 1.0 | .2 | .2 | .1 | | | | | 16.5 | 7.6 |
| SE | 1.5 | 2.6 | 3.4 | 1.0 | 1.3 | .3 | .3 | .1 | .3 | | | 10.9 | 11.0 |
| SSE | .1 | 1.0 | .6 | .9 | .5 | | .1 | | | | | 3.2 | 10.9 |
| S | | .1 | .6 | .8 | 1.0 | .2 | | | | | | 2.7 | 14.7 |
| SSW | | .2 | | | | | | | | | | .2 | 6.0 |
| SW | | .3 | | | | | | | | | | .3 | 4.0 |
| WSW | .1 | .1 | | | | | | | | | | .2 | 3.0 |
| W | .2 | .3 | | | | | | | | | | .5 | 3.2 |
| WNW | .1 | .2 | .3 | | | | | | | | | .6 | 6.3 |
| NW | .2 | .5 | | | | | | | | | | .9 | 4.0 |
| NNW | | .1 | .1 | | | | | | | | | .2 | 7.0 |
| VARIABLE | 1.5 | 1.4 | .4 | | | | | | | | | 3.3 | 4.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 9.0 | //// |
| TOTALS | 10.8 | 33.0 | 33.1 | 7.4 | 4.2 | 1.2 | .5 | .1 | .5 | .1 | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(EST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .2 | 3.5 |
| NNE | .1 | .1 | | .1 | | | | | | | | .3 | 6.3 |
| NE | 1.2 | 2.2 | 1.0 | .2 | .1 | .1 | | | | | | 4.7 | 6.0 |
| ENE | 1.0 | 6.0 | 4.5 | 1.1 | .4 | .1 | | | | | | 13.1 | 7.2 |
| E | 1.8 | 13.7 | 13.0 | 1.9 | .8 | .1 | | | | | | 31.3 | 7.1 |
| ESL | 1.5 | 5.8 | 8.4 | 2.0 | .6 | .3 | .1 | | | | | 18.8 | 8.0 |
| SE | 2.2 | 4.1 | 2.8 | .9 | .4 | .5 | .6 | | .1 | | | 11.6 | 9.3 |
| SSE | .4 | .9 | 1.1 | 1.4 | .8 | .1 | | | .2 | | | 4.8 | 12.1 |
| S | .3 | .1 | .5 | .1 | .2 | | | | | | | 1.3 | 9.5 |
| SSW | | | .1 | | | | | | | | | .1 | 10.0 |
| SW | | .3 | .1 | | | | | | | | | .4 | 6.0 |
| WSW | .2 | .4 | | .1 | | | | | | | | .8 | 5.1 |
| W | .1 | .8 | | .1 | | | | | | | | 1.0 | 4.8 |
| WNW | .1 | .1 | | | | | | | | | | .2 | 3.5 |
| NW | .1 | .4 | | | | | | | | | | .5 | 4.0 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | 1.5 | .8 | 1.0 | .2 | | | | | | | | 5.4 | 5.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.3 | //// |
| TOTALS | 10.6 | 35.7 | 32.5 | 6.2 | 3.3 | 1.3 | .8 | | .3 | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | | | | | | | | | | | | |
| NNE | .1 | | | .1 | | | | | | | | .2 | 9.0 |
| NE | 1.1 | 2.3 | 1.0 | | | | | | | | | 4.3 | 5.0 |
| ENE | 2.8 | 5.7 | 4.5 | .4 | .1 | .3 | | | | | | 13.9 | 6.5 |
| E | 3.1 | 11.9 | 14.6 | 1.8 | .8 | .3 | | | | | | 32.6 | 7.3 |
| ESE | 1.7 | 6.5 | 7.1 | 1.5 | .4 | .2 | | | | | | 17.4 | 7.4 |
| SE | 1.2 | 4.2 | 3.3 | .9 | .6 | .4 | .1 | .4 | | .1 | | 11.3 | 9.8 |
| SSE | .1 | 1.0 | 1.5 | .9 | .5 | .1 | .1 | | | | | 4.2 | 10.7 |
| S | .1 | .2 | .5 | .4 | | | | .1 | | | | 1.4 | 11.9 |
| SSW | .2 | .1 | .1 | .1 | | | | | | | | .5 | 6.4 |
| SW | | | .1 | | | | | | | | | .1 | 10.0 |
| WSW | | .2 | .1 | | | | | | | | | .3 | 5.3 |
| W | .2 | .6 | .1 | | | | | | | | | 1.0 | 4.8 |
| WNW | .1 | .3 | | | | | | | | | | .4 | 4.0 |
| NW | .2 | .1 | | .1 | | | | | | | | .4 | 5.8 |
| NNW | | .1 | | | | | | | | | | .1 | 5.0 |
| VARIABLE | 1.5 | 1.8 | .5 | .2 | | | | | | | | 4.1 | 4.8 |
| CALM | //////////////////// | | | | | | | | | | | 7.7 | //// |
| TOTALS | 12.5 | 35.1 | 33.5 | 6.5 | 2.5 | 1.4 | .2 | .5 | | .1 | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .1 | | | | | | | | | | .2 | 3.5 |
| NNE | | | .1 | | | | | | | | | .1 | 8.0 |
| NE | 1.1 | 2.8 | .5 | .3 | .1 | | | | | | | 4.8 | 5.9 |
| ENE | 1.8 | 6.2 | 4.5 | .8 | .2 | | | | | | | 13.5 | 6.3 |
| E | 3.2 | 12.9 | 13.5 | 2.3 | .9 | | | | | | | 32.8 | 7.1 |
| ESE | 1.4 | 4.8 | 7.8 | 2.0 | .9 | .2 | | | | | | 17.2 | 8.4 |
| SE | 1.0 | 3.8 | 2.9 | .8 | 1.0 | .4 | .4 | | | | | 10.2 | 9.6 |
| SSE | .3 | 1.2 | .9 | 1.0 | .2 | .2 | .1 | | | | | 3.9 | 9.8 |
| S | .1 | .2 | .3 | .2 | .1 | | | | | | | 1.0 | 9.7 |
| SSW | | .3 | .2 | .2 | | | | | | | | .8 | 8.0 |
| SW | .1 | .2 | .1 | | | | | | | | | .4 | 5.8 |
| WSW | .1 | .3 | | | | | | | | | | .4 | 5.0 |
| W | .3 | .5 | .1 | | | | | | | | | 1.0 | 4.6 |
| WNW | .2 | .2 | | | | | | | | | | .4 | 2.8 |
| NW | | | | | | | | | | | | | |
| NNW | .2 | .1 | .1 | | | | | | | | | .4 | 4.8 |
| VARIABLE | 2.9 | 1.4 | .2 | .3 | | .1 | | | | | | 4.9 | 4.3 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.8 | //// |
| TOTALS | 12.9 | 35.2 | 31.4 | 7.8 | 3.3 | 1.0 | .5 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .1 | .1 | | | | | | | | | .2 | 6.5 |
| NNE | | .1 | .1 | | | | | | | | | .2 | 7.0 |
| NE | .3 | 2.3 | 1.0 | .2 | .1 | | | | | | | 3.9 | 6.6 |
| ENE | 1.3 | 8.0 | 4.7 | .6 | | | | | | | | 14.6 | 6.1 |
| E | 3.0 | 13.3 | 12.6 | 2.6 | | .1 | | | | | | 31.6 | 6.7 |
| ESE | 1.0 | 5.6 | 7.8 | 2.2 | .4 | .2 | .3 | | | | | 17.4 | 8.5 |
| SE | 1.1 | 4.3 | 1.9 | 1.1 | .6 | .2 | .6 | | | | | 9.9 | 9.0 |
| SEF | .1 | .1 | .8 | .9 | .5 | 1.0 | .2 | | | | | 3.4 | 16.7 |
| S | .1 | | .3 | .5 | | | | | | | | 1.0 | 9.7 |
| SSW | | .2 | .1 | | | | | | | | | .3 | 6.3 |
| SW | | .3 | .3 | | | | | | | | | .6 | 7.0 |
| WSW | .2 | .1 | | | | | | | | | | .3 | 7.7 |
| W | .1 | .3 | .4 | .1 | .1 | | | | | | | 1.1 | 8.0 |
| WNW | .1 | .3 | .5 | | | | | | | | | 1.0 | 6.7 |
| NW | | | .1 | | | | | | | | | .1 | 9.0 |
| NNW | | .2 | | | | | | | | | | .2 | 6.0 |
| VARIABLE | 2.6 | 1.4 | .5 | .3 | | .1 | | | | | | 5.0 | 4.8 |
| CALM | //////////////////// | | | | | | | | | | | 9.0 | //// |
| TOTALS | 9.9 | 36.7 | 31.3 | 8.4 | 1.8 | 1.6 | 1.2 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 529

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .2 | | | | | | | | | | .3 | 3.7 |
| NNE | .1 | | .1 | | | | | | | | | .2 | 4.0 |
| NE | 1.0 | 2.9 | .3 | .1 | .2 | | | | | | | 4.5 | 5.7 |
| ENE | 1.3 | 6.9 | 4.2 | .4 | .1 | .3 | | | | | | 13.3 | 6.6 |
| E | 2.0 | 12.3 | 12.7 | 1.7 | .4 | .2 | | | | | | 29.4 | 7.1 |
| ESE | 1.4 | 4.2 | 8.3 | 1.2 | .4 | .3 | .1 | .1 | | | | 16.1 | 8.3 |
| SE | 1.0 | 4.4 | 2.6 | 1.1 | .8 | | 1.1 | .5 | | | | 11.7 | 11.2 |
| SSE | .2 | .8 | .9 | .4 | .4 | .2 | .2 | | | | | 3.8 | 14.0 |
| S | .1 | .2 | .4 | .4 | | | .2 | | | | | 1.4 | 12.6 |
| SSW | | .3 | .1 | | | | | | | | | .4 | 5.5 |
| SW | .1 | .2 | | | | | | | | | | .3 | 4.7 |
| WSW | .4 | .4 | .1 | | | | | | | | | 1.0 | 3.7 |
| W | .1 | .1 | .5 | .1 | | | | | | | | .2 | 8.0 |
| WNW | | .4 | | | | | | | | | | .4 | 5.0 |
| NW | | .1 | .1 | | | | | | | | | .2 | 7.5 |
| NNW | | .1 | | | | | | | | | | .1 | 5.0 |
| VARIABLE | 3.0 | 2.8 | .5 | .2 | .3 | .1 | | | | | | 7.0 | 5.2 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 9.0 | //// |
| TOTALS | 10.2 | 36.5 | 31.2 | 5.7 | 2.7 | 1.8 | 1.6 | .5 | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 967

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS/EST: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .1 | .0 | | | | | | | | .2 | 3.7 |
| NNE | .1 | .1 | .0 | .0 | | | | | | | .2 | 5.4 |
| NE | .9 | 2.4 | .8 | .2 | .1 | .0 | | | | | 4.5 | 6.1 |
| ENE | 1.5 | 6.5 | 4.5 | .6 | .3 | .2 | | | .0 | .0 | 13.7 | 6.8 |
| E | 2.7 | 12.4 | 13.5 | 2.1 | .5 | .2 | | .0 | .0 | | 31.5 | 7.7 |
| ESE | 1.2 | 5.5 | 7.7 | 1.6 | .5 | .3 | .1 | .0 | | | 16.9 | 6.1 |
| SE | 1.5 | 3.9 | 3.2 | 1.0 | .7 | .3 | .5 | .1 | .1 | .0 | 11.1 | 6.8 |
| SSE | .2 | 1.0 | .9 | .9 | .5 | .4 | .1 | .0 | .0 | | 4.0 | 11.2 |
| S | .1 | .1 | .4 | .5 | .3 | .2 | .0 | .0 | | | 1.8 | 12.9 |
| SSW | .0 | .2 | .1 | .1 | .0 | | | | | | .4 | 7.8 |
| SW | .1 | .2 | .1 | | | | | | | | .4 | 5.4 |
| WSW | .2 | .3 | .0 | .1 | | | | | | | .6 | 4.7 |
| W | .2 | .5 | .2 | .0 | .0 | | | | | | .9 | 5.4 |
| WNW | .1 | .2 | .1 | | | | | | | | .6 | 5.1 |
| W | .1 | .2 | .1 | .0 | | | | | | | .4 | 5.1 |
| NNW | .1 | .1 | .0 | | | | | | | | .2 | 5.4 |
| VARIABLE | 1.9 | 1.5 | .5 | .2 | .1 | .1 | | | | | 4.7 | 4.9 |
| CALM | //////////////////// | | | | | | | | | | 4.5 | //// |
| TOTALS | 30.8 | 35.2 | 32.2 | 7.4 | 3.1 | 1.7 | .8 | .2 | .1 | .0 | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 047023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(UT): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .2 | .1 | .0 | .0 | .0 | .0 | | | | .4 | 5.8 |
| NNE | .1 | .2 | .1 | .1 | .0 | .0 | | | | | .4 | 6.4 |
| NE | .7 | 1.6 | .7 | .2 | .1 | .0 | .0 | .0 | | | 3.1 | 5.9 |
| ENE | 1.7 | 4.7 | 2.2 | .4 | .1 | .1 | .0 | .0 | .0 | .0 | 7.1 | 5.9 |
| E | 4.1 | 10.3 | 6.4 | 1.4 | .4 | .2 | .1 | .1 | .0 | | 27.5 | 6.6 |
| ESE | 1.5 | 4.0 | 3.8 | 1.3 | .5 | .3 | .1 | .1 | .0 | .0 | 11.6 | 8.4 |
| SE | .7 | 1.8 | 2.3 | 1.5 | .8 | .5 | .3 | .1 | .0 | .0 | 7.4 | 11.4 |
| SSE | .3 | .5 | .9 | 1.1 | .6 | .4 | .2 | .7 | .0 | .0 | 4.0 | 17.3 |
| S | .2 | .3 | .5 | .5 | .2 | .1 | .0 | .0 | | | 1.9 | 10.6 |
| SSW | .2 | .1 | .1 | .0 | .0 | .0 | | | | | .4 | 5.6 |
| SW | .4 | .3 | .1 | .0 | .0 | | | | | | .4 | 4.1 |
| WSW | 1.3 | .7 | .2 | .0 | .0 | | | | | | 2.3 | 3.6 |
| W | 5.1 | 4.1 | .6 | .1 | .0 | .0 | | | | | 10.2 | 3.8 |
| WNW | 1.2 | 1.2 | .2 | .0 | .0 | | | | | .0 | 2.6 | 3.4 |
| W | .4 | .3 | .1 | .0 | .0 | | | | | | .4 | 4.0 |
| NNW | .2 | .1 | .0 | .0 | | | | | | | .4 | 4.1 |
| VARIABLE | 1.9 | 1.1 | .3 | .1 | .0 | .0 | .0 | .0 | | | 3.3 | 4.1 |
| CALM | //////////////////////////////////// | | | | | | | | | | 17.3 | //// |
| TOTALS | 20.0 | 31.4 | 19.3 | 6.7 | 2.7 | 1.6 | .7 | .3 | .1 | .0 | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 87612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS (LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 7-1/2 MILES

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | .1 | .1 | .0 | | | | | | | .3 | 4.5 |
| NNE | .1 | .1 | .0 | .0 | | | | | | | .2 | 5.9 |
| NE | .3 | .3 | .2 | .2 | .1 | | | | | | 1.0 | 7.0 |
| ENE | .9 | .9 | .5 | .4 | .3 | .2 | | .0 | | | 3.2 | 8.7 |
| E | 2.1 | 2.4 | 1.4 | .8 | .7 | .8 | .2 | .1 | .0 | | 8.6 | 9.5 |
| ESE | 1.0 | 1.4 | 1.0 | .9 | 1.0 | 1.2 | .5 | .0 | | | 7.3 | 14.1 |
| SE | .5 | .4 | .7 | 1.5 | 1.6 | 1.6 | .8 | .3 | .1 | | 7.6 | 18.3 |
| SSE | .3 | .3 | .4 | .9 | 1.0 | 1.1 | .5 | .1 | .0 | | 4.6 | 18.3 |
| S | .1 | .2 | .4 | .6 | .2 | .2 | .0 | .0 | | | 1.6 | 17.2 |
| SSW | .1 | .2 | .2 | .1 | | | | | | | .7 | 6.6 |
| SW | .5 | .6 | .2 | .2 | | | | | | | 1.5 | 5.3 |
| WSW | 2.4 | 1.2 | .7 | .1 | | | | | | | 4.0 | 3.8 |
| W | 10.7 | 6.4 | 1.0 | .3 | .0 | .0 | | | | | 21.3 | 7.0 |
| WW | 3.2 | 2.8 | .4 | .0 | .0 | | | | | .0 | 6.5 | 3.8 |
| NW | 1.0 | .6 | .1 | .0 | | | | | | | 1.7 | 3.6 |
| NNW | .4 | .2 | .1 | | | | | | | | .7 | 3.7 |
| VARIABLE | 1.6 | .6 | .3 | .7 | .0 | .1 | | .0 | | | 2.9 | 5.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | 26.3 | //// |
| TOTALS | 25.4 | 26.7 | 8.0 | 6.7 | 5.0 | 5.2 | 2.1 | .7 | .2 | .0 | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS: 6426

| | | | | |
|----------|-------------|----------|----------|--------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTT | DDDDDD |
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTT | DDDDDD |
| PP PP | AA AA | RR RR | II | DD DD |
| PP PP | AA AA | RR RR | II | DD DD |
| PPPPPPPP | AA AA | RRRRRRRR | II | DD DD |
| PPPPPPPP | AAAAA AAAAA | RRRRRRRR | II | DD DD |
| PP | AAAAA AAAAA | RR RR | II | DD DD |
| PP | AA AA | RR RR | II | DD DD |
| PP | AA AA | RR RR | II | DD DD |
| PP | AA AA | RR RR | II | DD DD |

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1948, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER TENTHS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO TENTHS FOR PRESENTATION ARE:

| | | |
|-----------|---|-------|
| CLEAR | - | 0/10 |
| SCATTERED | - | 3/10 |
| BROKEN | - | 4/10 |
| OVERCAST | - | 10/10 |
| OBSCURED | - | 10/10 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(EST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GF 5 | GF 4 | GE 3 | GE 2 | GF 1 1/2 | GF 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GF 5/16 | GE 1/4 | GF 0 | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GF 18000 | | | | | | | | | | | | | | | | |
| GF 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GF 10000 | | | | | | | | | | | | | | | | |
| GF 9000 | | | | | | | | | | | | | | | | |
| GF 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GF 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GF 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GF 3500 | | | | | | | | | | | | | | | | |
| GF 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GF 1800 | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | |
| GF 1200 | | | | | | | | | | | | | | | | |
| GF 1000 | | | | | | | | | | | | | | | | |
| GF 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GF 700 | | | | | | | | | | | | | | | | |
| GF 600 | | | | | | | | | | | | | | | | |
| GF 500 | | | | | | | | | | | | | | | | |
| GF 400 | | | | | | | | | | | | | | | | |
| GF 300 | | | | | | | | | | | | | | | | |
| GF 200 | | | | | | | | | | | | | | | | |
| GF 100 | | | | | | | | | | | | | | | | |
| GF 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(UT): 0700-0900

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-----|-----|------|------|------|------|-------|-------|-------|--------|--------|--------|--------|---------|---------|-------|
| | 1 | 1/2 | 1/4 | 1/8 | 1/16 | 1/32 | 1/64 | 1/128 | 1/256 | 1/512 | 1/1024 | 1/2048 | 1/4096 | 1/8192 | 1/16384 | 1/32768 | 0 |
| NO CELL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | 88.3 | 89.9 | 90.5 | 90.7 | 91.2 | 91.5 | 91.5 | 92.2 | 92.7 | 92.7 | 92.9 | 92.9 | 93.0 | |
| GE 4500 | | | | 88.6 | 90.2 | 90.9 | 91.1 | 91.5 | 91.9 | 91.9 | 92.5 | 92.5 | 92.5 | 92.6 | 92.9 | 93.2 | 93.3 |
| GE 4000 | | | | 89.4 | 91.4 | 92.1 | 92.3 | 92.9 | 93.1 | 93.1 | 93.8 | 93.9 | 93.8 | 94.0 | 94.1 | 94.4 | 94.5 |
| GE 3500 | | | | 89.7 | 91.8 | 92.4 | 92.6 | 93.1 | 93.4 | 93.4 | 94.1 | 94.1 | 94.1 | 94.3 | 94.4 | 94.6 | 94.6 |
| GE 3000 | | | | 89.7 | 92.1 | 92.9 | 93.0 | 93.4 | 93.6 | 93.8 | 94.4 | 94.4 | 94.4 | 94.6 | 95.0 | 95.3 | 95.5 |
| GE 2500 | | | | 89.9 | 92.2 | 92.9 | 93.1 | 93.5 | 93.9 | 93.9 | 94.5 | 94.5 | 94.5 | 94.9 | 95.2 | 95.5 | 95.6 |
| GE 2000 | | | | 90.3 | 92.6 | 93.3 | 93.5 | 94.0 | 94.3 | 94.3 | 95.0 | 95.0 | 95.0 | 95.3 | 95.7 | 96.0 | 96.2 |
| GE 1800 | | | | 90.3 | 92.6 | 93.3 | 93.5 | 94.0 | 94.3 | 94.3 | 95.0 | 95.0 | 95.0 | 95.3 | 95.7 | 96.0 | 96.2 |
| GE 1600 | | | | 90.6 | 93.0 | 93.6 | 93.9 | 94.3 | 94.6 | 94.6 | 95.3 | 95.3 | 95.3 | 95.7 | 96.0 | 96.3 | 96.5 |
| GE 1400 | | | | 90.6 | 93.0 | 93.6 | 93.9 | 94.3 | 94.6 | 94.6 | 95.3 | 95.3 | 95.3 | 95.7 | 96.0 | 96.3 | 96.5 |
| GE 1200 | | | | 91.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.0 | 95.0 | 95.9 | 96.0 | 96.0 | 96.3 | 96.7 | 97.0 | 97.2 |
| GE 1000 | | | | 91.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.0 | 95.0 | 95.9 | 96.0 | 96.0 | 96.3 | 96.7 | 97.0 | 97.2 |
| GE 900 | | | | 91.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.0 | 95.0 | 95.9 | 96.0 | 96.0 | 96.3 | 96.7 | 97.0 | 97.2 |
| GE 800 | | | | 91.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.0 | 95.0 | 95.9 | 96.0 | 96.0 | 96.3 | 96.7 | 97.0 | 97.2 |
| GE 700 | | | | 91.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.0 | 95.0 | 95.9 | 96.0 | 96.0 | 96.3 | 96.7 | 97.0 | 97.2 |
| GE 600 | | | | 91.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.0 | 95.0 | 95.9 | 96.0 | 96.0 | 96.3 | 96.7 | 97.0 | 97.2 |
| GE 500 | | | | 91.0 | 93.3 | 94.1 | 94.3 | 94.8 | 95.2 | 95.2 | 96.1 | 96.3 | 96.3 | 96.9 | 97.3 | 97.7 | 97.9 |
| GE 400 | | | | 91.1 | 93.4 | 94.2 | 94.4 | 94.9 | 95.3 | 95.3 | 96.2 | 96.4 | 96.4 | 97.0 | 97.4 | 97.8 | 98.0 |
| GE 300 | | | | 91.2 | 93.5 | 94.3 | 94.5 | 95.0 | 95.4 | 95.4 | 96.3 | 96.5 | 96.5 | 97.2 | 97.7 | 98.3 | 98.6 |
| GE 200 | | | | 91.2 | 93.5 | 94.3 | 94.5 | 95.0 | 95.4 | 95.4 | 96.3 | 96.5 | 96.5 | 97.3 | 97.9 | 98.6 | 99.1 |
| GE 100 | | | | 91.2 | 93.5 | 94.3 | 94.5 | 95.0 | 95.4 | 95.4 | 96.3 | 96.5 | 96.5 | 97.3 | 97.8 | 98.6 | 99.4 |
| GE 0 | | | | 91.2 | 93.5 | 94.3 | 94.5 | 95.0 | 95.4 | 95.4 | 96.3 | 96.5 | 96.5 | 97.3 | 97.8 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 697

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0600-0600

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 269

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS (LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CELL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 492

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GF 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | 36.4 | 87.9 | 89.4 | 90.4 | 90.4 | 90.4 | 90.9 | 90.9 | 91.3 | 91.5 | 91.6 | 91.7 | 91.7 | 92.0 | 92.1 |
| GE 4500 | | 46.4 | 87.9 | 89.4 | 90.4 | 90.4 | 90.4 | 90.9 | 90.9 | 91.3 | 91.5 | 91.6 | 91.7 | 91.7 | 92.0 | 92.1 |
| GE 4000 | | 87.2 | 88.9 | 90.4 | 91.0 | 91.4 | 91.9 | 91.9 | 92.3 | 92.3 | 92.5 | 92.6 | 92.7 | 92.7 | 93.0 | 93.1 |
| GE 3500 | | 88.0 | 89.7 | 91.2 | 91.7 | 92.2 | 92.6 | 92.6 | 93.1 | 93.1 | 93.3 | 93.4 | 93.5 | 93.5 | 93.7 | 93.8 |
| GE 3000 | | 88.8 | 90.5 | 92.5 | 93.1 | 93.7 | 94.2 | 94.2 | 94.6 | 94.6 | 94.8 | 94.9 | 95.0 | 95.0 | 95.3 | 95.4 |
| GE 2500 | | 89.2 | 91.0 | 93.0 | 93.5 | 94.2 | 94.6 | 94.6 | 95.0 | 95.0 | 95.3 | 95.4 | 95.5 | 95.5 | 95.7 | 95.8 |
| GE 2000 | | 89.5 | 91.3 | 93.3 | 93.8 | 94.6 | 95.0 | 95.0 | 95.5 | 95.5 | 95.7 | 95.8 | 95.9 | 95.9 | 96.1 | 96.3 |
| GE 1800 | | 89.5 | 91.3 | 93.3 | 93.8 | 94.6 | 95.0 | 95.0 | 95.5 | 95.5 | 95.7 | 95.8 | 95.9 | 95.9 | 96.1 | 96.3 |
| GE 1500 | | 89.7 | 91.4 | 93.4 | 93.9 | 94.7 | 95.2 | 95.2 | 95.6 | 95.6 | 95.8 | 95.9 | 96.0 | 96.0 | 96.3 | 96.4 |
| GE 1000 | | 90.3 | 92.1 | 94.1 | 94.7 | 95.5 | 95.9 | 95.9 | 96.4 | 96.4 | 96.6 | 96.7 | 96.8 | 96.8 | 97.1 | 97.5 |
| GE 900 | | 90.3 | 92.1 | 94.1 | 94.7 | 95.5 | 95.9 | 95.9 | 96.4 | 96.4 | 96.6 | 96.7 | 96.8 | 96.8 | 97.1 | 97.5 |
| GE 800 | | 90.3 | 92.1 | 94.1 | 94.7 | 95.5 | 95.9 | 95.9 | 96.4 | 96.4 | 96.6 | 96.7 | 96.8 | 96.9 | 97.2 | 97.6 |
| GE 700 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.8 | 96.3 | 96.3 | 96.7 | 96.7 | 96.9 | 97.0 | 97.2 | 97.2 | 97.6 | 97.9 |
| GE 600 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.8 | 96.3 | 96.3 | 96.7 | 96.7 | 96.9 | 97.1 | 97.4 | 97.4 | 97.7 | 98.0 |
| GE 500 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.8 | 96.3 | 96.3 | 96.7 | 96.7 | 96.9 | 97.1 | 97.4 | 97.4 | 97.8 | 98.1 |
| GE 400 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.8 | 96.3 | 96.3 | 96.8 | 96.8 | 97.0 | 97.2 | 97.6 | 97.6 | 98.0 | 98.3 |
| GE 300 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.9 | 96.4 | 96.4 | 96.9 | 96.9 | 97.1 | 97.4 | 97.8 | 97.8 | 98.3 | 98.9 |
| GE 200 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.9 | 96.4 | 96.4 | 96.9 | 96.9 | 97.1 | 97.4 | 97.8 | 97.8 | 98.6 | 99.4 |
| GE 100 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.9 | 96.4 | 96.4 | 96.9 | 96.9 | 97.1 | 97.4 | 97.8 | 97.8 | 98.7 | 99.6 |
| GE 0 | | 90.4 | 92.4 | 94.4 | 95.0 | 95.9 | 96.4 | 96.4 | 96.9 | 96.9 | 97.1 | 97.4 | 97.8 | 97.8 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 519

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|--|-----------------------------|---------|---------|---------|---------|----------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
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TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): 1830-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | |
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| GE 10000 | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 87.2 | 89.0 | 89.7 | 90.2 | 90.8 | 91.2 | 91.2 | 91.4 | 91.4 | 91.6 | 92.0 | 92.0 | 92.3 | 92.5 | | |
| GE 4500 | | | 87.2 | 89.0 | 89.7 | 90.2 | 90.8 | 91.2 | 91.2 | 91.4 | 91.4 | 91.6 | 92.0 | 92.0 | 92.3 | 92.5 | | |
| GE 4000 | | | 88.3 | 90.1 | 90.8 | 91.3 | 91.8 | 92.3 | 92.3 | 92.5 | 92.5 | 92.7 | 93.0 | 93.0 | 93.4 | 93.6 | | |
| GE 3500 | | | 88.7 | 90.9 | 91.5 | 92.1 | 92.6 | 93.0 | 93.0 | 93.5 | 93.5 | 93.7 | 94.0 | 94.0 | 94.3 | 94.6 | | |
| GE 3000 | | | 89.7 | 92.0 | 92.7 | 93.3 | 93.8 | 94.2 | 94.2 | 94.7 | 94.8 | 95.0 | 95.4 | 95.4 | 95.8 | 96.0 | | |
| | | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 89.9 | 92.2 | 92.9 | 93.5 | 94.0 | 94.5 | 94.5 | 94.9 | 95.0 | 95.2 | 95.7 | 95.7 | 96.0 | 96.2 | | |
| GE 2000 | | | 90.2 | 92.5 | 93.3 | 93.8 | 94.3 | 94.8 | 94.8 | 95.2 | 95.3 | 95.5 | 96.0 | 96.0 | 96.3 | 96.5 | | |
| GE 1800 | | | 90.6 | 93.0 | 93.8 | 94.3 | 94.9 | 95.3 | 95.3 | 95.8 | 95.9 | 96.1 | 96.5 | 96.5 | 96.8 | 97.1 | | |
| GE 1500 | | | 91.3 | 93.6 | 94.3 | 94.9 | 95.4 | 95.9 | 95.9 | 96.3 | 96.4 | 96.6 | 97.1 | 97.1 | 97.4 | 97.6 | | |
| GE 1200 | | | 91.4 | 93.7 | 94.5 | 95.0 | 95.5 | 96.0 | 96.0 | 96.4 | 96.5 | 96.7 | 97.2 | 97.2 | 97.5 | 97.7 | | |
| | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 91.4 | 93.7 | 94.5 | 95.0 | 95.7 | 96.1 | 96.1 | 96.5 | 96.6 | 96.8 | 97.3 | 97.3 | 97.6 | 97.8 | | |
| GE 900 | | | 91.5 | 93.8 | 94.6 | 95.1 | 95.8 | 96.2 | 96.2 | 96.6 | 96.7 | 97.0 | 97.4 | 97.4 | 97.7 | 97.9 | | |
| GE 800 | | | 91.5 | 93.8 | 94.6 | 95.1 | 95.8 | 96.2 | 96.2 | 96.6 | 96.7 | 97.0 | 97.4 | 97.4 | 97.7 | 97.9 | | |
| GE 700 | | | 91.5 | 93.8 | 94.6 | 95.1 | 95.8 | 96.2 | 96.2 | 96.6 | 96.7 | 97.0 | 97.4 | 97.4 | 97.7 | 97.9 | | |
| GE 600 | | | 91.6 | 93.9 | 94.7 | 95.2 | 95.9 | 96.3 | 96.3 | 96.7 | 96.8 | 97.1 | 97.5 | 97.5 | 97.8 | 98.0 | | |
| | | | | | | | | | | | | | | | | | | |
| GE 500 | | | 91.7 | 94.2 | 95.0 | 95.5 | 96.2 | 96.6 | 96.6 | 97.1 | 97.2 | 97.4 | 98.0 | 98.0 | 98.4 | 98.9 | | |
| GE 400 | | | 91.7 | 94.2 | 95.0 | 95.5 | 96.2 | 96.6 | 96.6 | 97.1 | 97.2 | 97.4 | 98.0 | 98.0 | 98.4 | 98.9 | | |
| GE 300 | | | 91.7 | 94.2 | 95.0 | 95.5 | 96.2 | 96.6 | 96.6 | 97.1 | 97.3 | 97.5 | 98.2 | 98.2 | 98.5 | 99.0 | | |
| GE 200 | | | 91.7 | 94.2 | 95.0 | 95.5 | 96.2 | 96.6 | 96.6 | 97.1 | 97.3 | 97.5 | 98.2 | 98.2 | 98.6 | 99.1 | | |
| GE 100 | | | 91.7 | 94.2 | 95.0 | 95.5 | 96.2 | 96.6 | 96.6 | 97.2 | 97.4 | 97.6 | 98.4 | 98.4 | 98.9 | 100.0 | | |
| | | | | | | | | | | | | | | | | | | |
| GE 0 | | | 91.7 | 94.2 | 95.0 | 95.5 | 96.2 | 96.6 | 96.6 | 97.2 | 97.4 | 97.6 | 98.4 | 98.4 | 98.9 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(1ST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|----|----|----|----|----|-------|----|-------|-------|----|-----|-----|-----|------|-----|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| 0 | | | | | | | | | | | | | | | | | |
| NO CEIL | 1 | | | | | | | | | | | | | | | | |
| GE 20000 | 1 | | | | | | | | | | | | | | | | |
| GE 18000 | 1 | | | | | | | | | | | | | | | | |
| GE 16000 | 1 | | | | | | | | | | | | | | | | |
| GE 14000 | 1 | | | | | | | | | | | | | | | | |
| GE 12000 | 1 | | | | | | | | | | | | | | | | |
| GE 10000 | 1 | | | | | | | | | | | | | | | | |
| GE 9000 | 1 | | | | | | | | | | | | | | | | |
| GE 8000 | 1 | | | | | | | | | | | | | | | | |
| GE 7000 | 1 | | | | | | | | | | | | | | | | |
| GE 6000 | 1 | | | | | | | | | | | | | | | | |
| GE 5000 | 1 | | | | | | | | | | | | | | | | |
| GE 4500 | 1 | | | | | | | | | | | | | | | | |
| GE 4000 | 1 | | | | | | | | | | | | | | | | |
| GE 3500 | 1 | | | | | | | | | | | | | | | | |
| GE 3000 | 1 | | | | | | | | | | | | | | | | |
| GE 2500 | 1 | | | | | | | | | | | | | | | | |
| GE 2000 | 1 | | | | | | | | | | | | | | | | |
| GE 1800 | 1 | | | | | | | | | | | | | | | | |
| GE 1600 | 1 | | | | | | | | | | | | | | | | |
| GE 1500 | 1 | | | | | | | | | | | | | | | | |
| GE 1200 | 1 | | | | | | | | | | | | | | | | |
| GE 1000 | 1 | | | | | | | | | | | | | | | | |
| GE 900 | 1 | | | | | | | | | | | | | | | | |
| GE 800 | 1 | | | | | | | | | | | | | | | | |
| GE 700 | 1 | | | | | | | | | | | | | | | | |
| GE 600 | 1 | | | | | | | | | | | | | | | | |
| GE 500 | 1 | | | | | | | | | | | | | | | | |
| GE 400 | 1 | | | | | | | | | | | | | | | | |
| GE 300 | 1 | | | | | | | | | | | | | | | | |
| GE 200 | 1 | | | | | | | | | | | | | | | | |
| GE 100 | 1 | | | | | | | | | | | | | | | | |
| GE 0 | 1 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GF 1/4 |
| NO CEIL | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | |
| GF 10000 | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | |
| GE 5000 | | 87.6 | 89.2 | 90.1 | 90.5 | 91.1 | 91.4 | 91.4 | 91.8 | 92.1 | 92.1 | 92.4 | 92.5 | 92.8 | 93.0 |
| GE 4500 | | 87.7 | 89.3 | 90.2 | 90.6 | 91.2 | 91.5 | 91.5 | 92.0 | 92.2 | 92.2 | 92.5 | 92.6 | 92.9 | 93.1 |
| GE 4000 | | 88.4 | 90.1 | 91.0 | 91.5 | 92.0 | 92.3 | 92.3 | 92.8 | 93.0 | 93.0 | 93.4 | 93.4 | 93.8 | 94.0 |
| GE 3500 | | 88.8 | 90.6 | 91.5 | 92.0 | 92.5 | 92.8 | 92.8 | 93.3 | 93.6 | 93.6 | 93.9 | 94.0 | 94.3 | 94.5 |
| GE 3000 | | 89.3 | 91.2 | 92.3 | 92.7 | 93.4 | 93.7 | 93.7 | 94.2 | 94.5 | 94.5 | 94.9 | 95.1 | 95.4 | 95.7 |
| GE 2500 | | 89.6 | 91.5 | 92.6 | 93.0 | 93.7 | 94.0 | 94.0 | 94.6 | 94.8 | 94.8 | 95.3 | 95.4 | 95.7 | 96.0 |
| GE 2000 | | 89.9 | 91.9 | 92.9 | 93.4 | 94.1 | 94.5 | 94.5 | 95.0 | 95.2 | 95.3 | 95.7 | 95.8 | 96.2 | 96.4 |
| GE 1800 | | 90.2 | 92.1 | 93.1 | 93.6 | 94.3 | 94.7 | 94.7 | 95.2 | 95.4 | 95.5 | 95.9 | 96.0 | 96.4 | 96.6 |
| GE 1500 | | 90.5 | 92.4 | 93.5 | 93.9 | 94.6 | 95.0 | 95.0 | 95.5 | 95.7 | 95.8 | 96.2 | 96.3 | 96.7 | 97.0 |
| GE 1200 | | 90.5 | 92.4 | 93.5 | 94.0 | 94.7 | 95.0 | 95.0 | 95.6 | 95.8 | 95.9 | 96.3 | 96.4 | 96.8 | 97.0 |
| GE 1000 | | 90.8 | 92.7 | 93.8 | 94.3 | 95.0 | 95.4 | 95.4 | 95.9 | 96.2 | 96.2 | 96.7 | 96.8 | 97.1 | 97.5 |
| GE 900 | | 90.8 | 92.7 | 93.8 | 94.3 | 95.0 | 95.4 | 95.4 | 96.0 | 96.2 | 96.3 | 96.7 | 96.8 | 97.2 | 97.6 |
| GE 800 | | 90.8 | 92.7 | 93.8 | 94.3 | 95.1 | 95.4 | 95.4 | 96.0 | 96.3 | 96.3 | 96.8 | 96.9 | 97.3 | 97.6 |
| GE 700 | | 90.9 | 92.8 | 93.9 | 94.4 | 95.2 | 95.5 | 95.5 | 96.1 | 96.4 | 96.4 | 96.9 | 97.0 | 97.4 | 97.7 |
| GE 600 | | 91.0 | 92.9 | 94.0 | 94.5 | 95.3 | 95.6 | 95.6 | 96.2 | 96.5 | 96.5 | 97.0 | 97.1 | 97.5 | 97.9 |
| GE 500 | | 91.0 | 93.0 | 94.1 | 94.6 | 95.4 | 95.8 | 95.8 | 96.4 | 96.6 | 96.7 | 97.3 | 97.5 | 97.9 | 98.3 |
| GE 400 | | 91.0 | 93.0 | 94.2 | 94.6 | 95.4 | 95.8 | 95.8 | 96.4 | 96.7 | 96.7 | 97.4 | 97.6 | 98.0 | 98.4 |
| GE 300 | | 91.1 | 93.0 | 94.2 | 94.7 | 95.4 | 95.8 | 95.9 | 96.5 | 96.8 | 96.8 | 97.5 | 97.7 | 98.2 | 98.7 |
| GE 200 | | 91.1 | 93.0 | 94.2 | 94.7 | 95.4 | 95.8 | 95.9 | 96.5 | 96.8 | 96.8 | 97.6 | 97.8 | 98.5 | 99.2 |
| GE 100 | | 91.1 | 93.0 | 94.2 | 94.7 | 95.4 | 95.8 | 95.9 | 96.5 | 96.8 | 96.9 | 97.7 | 97.9 | 98.6 | 99.7 |
| GE 0 | | 91.1 | 93.0 | 94.2 | 94.7 | 95.5 | 95.9 | 95.9 | 96.5 | 96.8 | 96.9 | 97.7 | 97.9 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7262

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 092020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS (LST): 0000-0200

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | 1 10 | GE 6 | GF 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 333

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS (LST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 91.5 | 93.2 | 93.8 | 94.3 | 94.3 | 94.4 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.2 | 95.8 |
| GE 4500 | | | 91.5 | 93.2 | 93.8 | 94.3 | 94.3 | 94.4 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.2 | 95.8 |
| GE 4000 | | | 92.1 | 93.8 | 94.4 | 94.9 | 94.9 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.8 | 96.4 |
| GE 3500 | | | 92.1 | 93.8 | 94.4 | 94.9 | 94.9 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.8 | 96.4 |
| GE 3000 | | | 92.1 | 94.2 | 94.9 | 95.4 | 95.4 | 95.5 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.2 | 96.4 | 97.0 |
| GE 2500 | | | 92.5 | 94.2 | 95.0 | 95.5 | 95.5 | 95.6 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.4 | 96.5 | 97.1 |
| GE 2000 | | | 92.9 | 94.6 | 95.4 | 95.9 | 95.9 | 96.0 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.9 | 97.5 |
| GE 1800 | | | 92.9 | 94.6 | 95.4 | 95.9 | 95.9 | 96.0 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.9 | 97.5 |
| GE 1500 | | | 93.0 | 94.7 | 95.5 | 96.0 | 96.0 | 96.1 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.9 | 97.0 | 97.6 |
| GE 1200 | | | 93.1 | 94.9 | 95.8 | 96.2 | 96.2 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 | 97.2 | 97.8 |
| GE 1000 | | | 93.2 | 94.9 | 95.8 | 96.2 | 96.2 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 | 97.2 | 97.8 |
| GE 900 | | | 93.2 | 94.9 | 95.8 | 96.2 | 96.2 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.2 | 97.3 | 97.9 |
| GE 800 | | | 93.2 | 94.9 | 95.8 | 96.2 | 96.2 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.2 | 97.3 | 97.9 |
| GE 700 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.3 | 97.5 | 98.1 |
| GE 600 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.5 | 97.6 | 98.2 |
| GE 500 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.5 | 97.6 | 98.2 |
| GE 400 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.6 | 97.7 | 97.9 | 98.7 |
| GE 300 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.6 | 97.7 | 98.2 | 98.9 |
| GE 200 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.6 | 97.9 | 98.7 | 99.5 |
| GE 100 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 98.1 | 98.8 | 99.0 | 100.0 |
| GE 0 | | | 93.2 | 95.0 | 95.9 | 96.4 | 96.4 | 96.5 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 98.1 | 98.8 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 826

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 89.9 | 91.3 | 92.3 | 92.5 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.5 | 93.5 | 93.5 |
| GE 4500 | | | 90.5 | 91.9 | 92.9 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 94.1 | 94.1 | 94.1 |
| GE 4000 | | | 91.3 | 92.8 | 93.7 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.5 | 94.9 | 94.9 | 94.9 |
| GE 3500 | | | 91.6 | 93.1 | 94.2 | 94.5 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.1 | 95.5 | 95.5 | 95.5 |
| GE 3000 | | | 92.2 | 94.1 | 95.3 | 95.7 | 95.8 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.9 | 96.9 | 96.9 |
| GE 2500 | | | 92.2 | 94.1 | 95.3 | 95.7 | 95.8 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.9 | 96.9 | 96.9 |
| GE 2000 | | | 92.7 | 94.6 | 95.8 | 96.1 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.9 | 97.3 | 97.3 | 97.3 |
| GE 1800 | | | 92.7 | 94.6 | 95.8 | 96.1 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.9 | 97.3 | 97.3 | 97.3 |
| GE 1500 | | | 92.7 | 94.7 | 95.9 | 96.3 | 96.4 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.5 | 97.5 | 97.5 |
| GE 1200 | | | 92.7 | 94.9 | 96.1 | 96.5 | 96.6 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.7 | 97.7 | 97.7 |
| GE 1000 | | | 92.8 | 95.1 | 96.3 | 96.6 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.8 | 97.8 | 97.8 |
| GE 900 | | | 92.8 | 95.1 | 96.3 | 96.6 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.8 | 97.8 | 97.8 |
| GE 800 | | | 92.8 | 95.1 | 96.3 | 96.6 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.8 | 97.8 | 97.8 |
| GE 700 | | | 92.8 | 95.1 | 96.3 | 96.6 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.8 | 97.8 | 97.8 |
| GE 600 | | | 92.8 | 95.1 | 96.3 | 96.6 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.8 | 97.8 | 97.8 |
| GE 500 | | | 92.8 | 95.3 | 96.5 | 96.9 | 97.0 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 98.1 | 98.1 | 98.1 |
| GE 400 | | | 92.8 | 95.3 | 96.5 | 96.9 | 97.0 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 98.4 | 98.4 | 98.4 |
| GE 300 | | | 92.8 | 95.3 | 96.5 | 96.9 | 97.0 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 98.6 | 98.6 | 98.6 |
| GE 200 | | | 92.8 | 95.3 | 96.5 | 96.9 | 97.0 | 97.5 | 97.5 | 97.5 | 97.6 | 97.7 | 97.8 | 98.8 | 98.8 | 98.8 |
| GE 100 | | | 92.8 | 95.3 | 96.5 | 96.9 | 97.0 | 97.5 | 97.5 | 97.5 | 97.6 | 97.7 | 98.0 | 98.9 | 98.9 | 98.9 |
| GE 0 | | | 92.8 | 95.3 | 96.5 | 96.9 | 97.0 | 97.5 | 97.5 | 97.5 | 97.6 | 97.7 | 98.0 | 98.9 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS: 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | 1 10 | GE 6 | GL 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CLIL 1 | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 87.2 | 88.2 | 89.3 | 89.6 | 89.9 | 90.1 | 90.5 | 91.1 | 91.1 | 91.1 | 91.5 | 91.7 | 91.7 | 92.0 | |
| GE 4500 | | | 87.3 | 88.3 | 89.4 | 89.8 | 90.0 | 90.2 | 90.6 | 91.2 | 91.2 | 91.2 | 91.6 | 91.8 | 91.8 | 92.1 | |
| GE 4000 | | | 88.4 | 89.4 | 90.7 | 91.1 | 91.3 | 91.6 | 92.0 | 92.6 | 92.6 | 92.6 | 92.9 | 93.2 | 93.2 | 93.4 | |
| GE 3500 | | | 89.1 | 90.1 | 91.8 | 92.2 | 92.4 | 92.7 | 93.0 | 93.7 | 93.7 | 93.7 | 94.1 | 94.4 | 94.4 | 94.6 | |
| GE 3000 | | | 89.6 | 90.6 | 92.3 | 92.7 | 92.9 | 93.2 | 93.5 | 94.1 | 94.1 | 94.1 | 94.6 | 94.9 | 94.9 | 95.1 | |
| | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 89.8 | 90.8 | 92.3 | 92.7 | 92.9 | 93.2 | 93.5 | 94.1 | 94.1 | 94.1 | 94.6 | 94.9 | 94.9 | 95.1 | |
| GE 2000 | | | 89.8 | 90.7 | 92.8 | 93.2 | 93.4 | 93.7 | 94.0 | 94.6 | 94.6 | 94.6 | 95.1 | 95.4 | 95.4 | 95.6 | |
| GE 1800 | | | 89.8 | 90.7 | 92.8 | 93.2 | 93.4 | 93.7 | 94.0 | 94.6 | 94.6 | 94.6 | 95.1 | 95.4 | 95.4 | 95.6 | |
| GE 1500 | | | 89.9 | 90.9 | 92.9 | 93.3 | 93.5 | 93.8 | 94.1 | 94.8 | 94.8 | 94.8 | 95.2 | 95.5 | 95.5 | 95.7 | |
| GE 1200 | | | 90.2 | 91.2 | 93.4 | 93.8 | 94.0 | 94.3 | 94.6 | 95.2 | 95.2 | 95.2 | 95.7 | 96.0 | 96.0 | 96.2 | |
| | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 90.5 | 91.5 | 93.7 | 94.0 | 94.3 | 94.6 | 95.0 | 95.6 | 95.6 | 95.6 | 96.1 | 96.3 | 96.3 | 96.6 | |
| GE 900 | | | 90.7 | 91.7 | 93.9 | 94.3 | 94.5 | 94.9 | 95.2 | 95.9 | 95.9 | 95.9 | 96.3 | 96.6 | 96.6 | 96.8 | |
| GE 800 | | | 90.7 | 91.7 | 93.9 | 94.3 | 94.5 | 94.9 | 95.2 | 95.9 | 95.9 | 95.9 | 96.3 | 96.6 | 96.6 | 96.8 | |
| GE 700 | | | 90.7 | 91.7 | 93.9 | 94.3 | 94.5 | 94.9 | 95.2 | 95.9 | 95.9 | 95.9 | 96.3 | 96.6 | 96.6 | 96.8 | |
| GE 600 | | | 90.7 | 91.7 | 93.9 | 94.3 | 94.5 | 94.9 | 95.2 | 95.9 | 95.9 | 95.9 | 96.3 | 96.6 | 96.6 | 96.8 | |
| | | | | | | | | | | | | | | | | | |
| GE 500 | | | 91.0 | 92.0 | 94.1 | 94.5 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.2 | 96.7 | 97.0 | 97.0 | 97.2 | |
| GE 400 | | | 91.0 | 92.0 | 94.1 | 94.5 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.2 | 97.1 | 97.3 | 97.3 | 97.6 | |
| GE 300 | | | 91.0 | 92.0 | 94.1 | 94.5 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.6 | 97.4 | 97.7 | 97.7 | 98.0 | |
| GE 200 | | | 91.0 | 92.0 | 94.1 | 94.5 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.6 | 97.4 | 97.7 | 97.7 | 98.0 | |
| GE 100 | | | 91.0 | 92.0 | 94.1 | 94.5 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.6 | 97.4 | 97.7 | 97.7 | 98.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 0 | | | 91.0 | 92.0 | 94.1 | 94.5 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.6 | 97.4 | 97.7 | 97.7 | 98.0 | |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GF 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 85.4 | 86.2 | 87.9 | 88.4 | 89.0 | 89.1 | 89.1 | 90.1 | 90.2 | 90.2 | 90.6 | 90.9 | 91.0 | 91.2 |
| GE 4500 | | | 85.5 | 86.3 | 88.0 | 88.5 | 89.1 | 89.2 | 89.2 | 90.2 | 90.4 | 90.4 | 90.7 | 91.0 | 91.1 | 91.3 |
| GE 4000 | | | 86.9 | 87.8 | 89.9 | 90.5 | 91.1 | 91.2 | 91.2 | 92.2 | 92.3 | 92.3 | 92.7 | 93.0 | 93.1 | 93.3 |
| GE 3500 | | | 87.6 | 87.9 | 90.0 | 90.6 | 91.2 | 91.3 | 91.3 | 92.3 | 92.5 | 92.5 | 92.9 | 93.1 | 93.2 | 93.4 |
| GE 3000 | | | 87.6 | 88.5 | 90.6 | 91.2 | 91.8 | 92.0 | 92.2 | 93.2 | 93.3 | 93.3 | 93.8 | 94.2 | 94.4 | 94.7 |
| GE 2500 | | | 87.4 | 88.8 | 91.7 | 91.6 | 92.2 | 92.3 | 92.6 | 93.6 | 93.7 | 93.7 | 94.2 | 94.6 | 94.8 | 95.1 |
| GE 2000 | | | 88.1 | 89.0 | 91.2 | 91.8 | 92.5 | 93.0 | 93.2 | 94.2 | 94.3 | 94.3 | 94.8 | 95.2 | 95.6 | 95.8 |
| GE 1800 | | | 88.1 | 89.0 | 91.2 | 91.8 | 92.5 | 93.0 | 93.2 | 94.2 | 94.3 | 94.3 | 94.8 | 95.2 | 95.6 | 95.8 |
| GE 1500 | | | 88.1 | 89.0 | 91.2 | 92.0 | 92.7 | 93.3 | 93.6 | 94.8 | 94.9 | 94.9 | 95.4 | 95.8 | 96.2 | 96.4 |
| GE 1200 | | | 88.6 | 89.5 | 91.6 | 92.5 | 93.2 | 93.8 | 94.1 | 95.3 | 95.4 | 95.4 | 95.9 | 96.3 | 96.7 | 96.9 |
| GE 1000 | | | 88.6 | 89.5 | 92.0 | 92.6 | 93.3 | 94.1 | 94.3 | 95.6 | 95.7 | 95.7 | 96.2 | 96.5 | 96.9 | 97.2 |
| GE 900 | | | 88.6 | 89.5 | 92.0 | 92.6 | 93.3 | 94.1 | 94.3 | 95.6 | 95.7 | 95.7 | 96.2 | 96.5 | 96.9 | 97.2 |
| GE 800 | | | 89.6 | 89.5 | 92.0 | 92.6 | 93.4 | 94.2 | 94.4 | 95.7 | 95.8 | 95.8 | 96.3 | 96.7 | 97.0 | 97.3 |
| GE 700 | | | 89.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.8 | 95.9 | 95.9 | 96.4 | 96.8 | 97.2 | 97.4 |
| GE 600 | | | 89.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.8 | 95.9 | 95.9 | 96.4 | 96.8 | 97.4 | 97.7 |
| GE 500 | | | 88.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.8 | 95.9 | 95.9 | 96.7 | 97.0 | 97.7 | 97.9 |
| GE 400 | | | 88.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.9 | 96.2 | 96.2 | 96.9 | 97.3 | 97.9 | 98.1 |
| GE 300 | | | 88.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.9 | 96.2 | 96.2 | 96.9 | 97.3 | 97.9 | 98.4 |
| GE 200 | | | 88.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.9 | 96.2 | 96.2 | 96.9 | 97.3 | 98.0 | 99.3 |
| GE 100 | | | 89.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.9 | 96.2 | 96.2 | 96.9 | 97.3 | 98.1 | 100.0 |
| GE 0 | | | 88.6 | 89.5 | 92.1 | 92.7 | 93.6 | 94.3 | 94.6 | 95.9 | 96.2 | 96.2 | 96.9 | 97.3 | 98.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS (LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | |
| GE 1600 | | | | | | | | | | | | | | | | |
| GE 1400 | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 814

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(EST): 1800-2000

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | GE 10 | GE 6 | GE 5 | GF 4 | GF 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GF 5/16 | GE 1/4 | GF 0 |
| NO CELL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8500 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 85.7 | 86.5 | 88.0 | 88.4 | 88.8 | 89.5 | 89.8 | 90.1 | 90.3 | 90.4 | 90.5 | 90.7 | 90.7 | 91.5 |
| GE 4500 | | | 86.0 | 86.9 | 88.3 | 88.6 | 89.2 | 89.9 | 90.1 | 90.5 | 90.6 | 90.7 | 90.9 | 91.1 | 91.1 | 91.6 |
| GE 4000 | | | 87.4 | 88.2 | 89.7 | 90.1 | 90.5 | 91.2 | 91.5 | 91.6 | 91.9 | 92.1 | 92.2 | 92.4 | 92.4 | 93.1 |
| GE 3500 | | | 87.6 | 88.8 | 90.3 | 90.7 | 91.1 | 91.8 | 92.1 | 92.4 | 92.5 | 92.7 | 92.8 | 93.0 | 93.0 | 93.7 |
| GE 3000 | | | 88.3 | 89.5 | 91.0 | 91.5 | 91.8 | 92.5 | 92.9 | 93.3 | 93.4 | 93.5 | 93.6 | 93.9 | 93.9 | 94.6 |
| GE 2500 | | | 88.3 | 89.5 | 91.0 | 91.5 | 91.8 | 92.5 | 92.9 | 93.3 | 93.4 | 93.5 | 93.6 | 93.9 | 93.9 | 94.6 |
| GE 2000 | | | 88.4 | 89.7 | 91.1 | 91.7 | 92.1 | 92.8 | 93.0 | 93.5 | 93.6 | 93.7 | 93.9 | 94.1 | 94.1 | 94.8 |
| GE 1800 | | | 88.7 | 89.9 | 91.3 | 91.9 | 92.3 | 93.0 | 93.3 | 93.7 | 93.9 | 94.0 | 94.1 | 94.3 | 94.3 | 95.1 |
| GE 1500 | | | 88.9 | 90.1 | 91.4 | 92.4 | 92.8 | 93.6 | 93.9 | 94.3 | 94.5 | 94.6 | 94.7 | 94.9 | 94.9 | 95.7 |
| GE 1200 | | | 89.2 | 90.5 | 92.3 | 92.9 | 93.3 | 94.1 | 94.5 | 94.9 | 95.1 | 95.2 | 95.3 | 95.5 | 95.5 | 96.3 |
| GE 1000 | | | 89.2 | 90.9 | 92.7 | 93.3 | 93.6 | 94.6 | 95.2 | 95.7 | 95.8 | 95.9 | 96.0 | 96.3 | 96.3 | 97.0 |
| GE 900 | | | 89.2 | 90.9 | 92.7 | 93.5 | 93.9 | 94.8 | 95.4 | 95.9 | 96.0 | 96.1 | 96.3 | 96.5 | 96.5 | 97.2 |
| GE 800 | | | 89.2 | 90.9 | 92.7 | 93.5 | 93.9 | 94.8 | 95.5 | 96.0 | 96.1 | 96.3 | 96.6 | 96.9 | 96.9 | 97.6 |
| GE 700 | | | 89.2 | 90.9 | 92.7 | 93.5 | 93.9 | 94.8 | 95.5 | 96.0 | 96.1 | 96.3 | 96.6 | 97.0 | 97.0 | 97.7 |
| GE 600 | | | 89.2 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.1 | 96.3 | 96.4 | 97.0 | 97.2 | 97.2 | 98.0 |
| GE 500 | | | 89.3 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.3 | 96.4 | 96.5 | 97.4 | 97.6 | 97.6 | 98.3 |
| GE 400 | | | 89.3 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.3 | 96.4 | 96.5 | 97.5 | 97.7 | 97.8 | 98.6 |
| GE 300 | | | 89.3 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.3 | 96.4 | 96.5 | 97.5 | 97.7 | 97.8 | 98.7 |
| GE 200 | | | 89.3 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.3 | 96.4 | 96.5 | 97.6 | 97.8 | 98.2 | 99.2 |
| GE 100 | | | 89.3 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.3 | 96.4 | 96.5 | 97.6 | 97.8 | 98.2 | 100.0 |
| GE 0 | | | 89.3 | 91.0 | 93.0 | 93.6 | 94.0 | 94.9 | 95.7 | 96.3 | 96.4 | 96.5 | 97.6 | 97.8 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 351

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-87
MONTH: FEB HOURS (LST): 1100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | CE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE C | |
| NO CELL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 87.5 | 89.0 | 90.7 | 90.6 | 91.2 | 91.4 | 92.0 | 92.3 | 92.7 | 92.4 | 92.5 | 92.6 | 92.7 | 92.7 | |
| GE 4500 | | | 87.7 | 89.3 | 91.0 | 91.2 | 91.5 | 91.8 | 92.4 | 92.6 | 92.5 | 92.7 | 92.9 | 93.0 | 93.1 | 93.3 | |
| GE 4000 | | | 88.0 | 89.7 | 91.6 | 91.8 | 92.1 | 92.4 | 93.0 | 93.3 | 93.3 | 93.5 | 93.6 | 93.7 | 93.9 | 94.1 | |
| GE 3500 | | | 88.3 | 90.2 | 92.3 | 92.4 | 92.7 | 93.0 | 93.6 | 93.9 | 93.9 | 94.1 | 94.2 | 94.3 | 94.4 | 94.7 | |
| GE 3000 | | | 88.9 | 90.8 | 92.9 | 93.0 | 93.3 | 93.6 | 94.2 | 94.6 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0 | 95.3 | |
| GE 2500 | | | 89.1 | 90.9 | 93.0 | 93.1 | 93.5 | 93.7 | 94.3 | 94.7 | 94.7 | 94.8 | 94.9 | 95.0 | 95.2 | 95.4 | |
| GE 2000 | | | 89.3 | 91.3 | 93.3 | 93.5 | 93.8 | 94.1 | 94.7 | 95.0 | 95.0 | 95.2 | 95.3 | 95.4 | 95.5 | 95.8 | |
| GE 1800 | | | 89.3 | 91.3 | 93.3 | 93.5 | 93.8 | 94.1 | 94.7 | 95.0 | 95.0 | 95.2 | 95.3 | 95.4 | 95.5 | 95.8 | |
| GE 1500 | | | 89.7 | 91.6 | 93.7 | 93.9 | 94.3 | 94.6 | 95.2 | 95.5 | 95.5 | 95.6 | 95.8 | 95.9 | 96.0 | 96.2 | |
| GE 1200 | | | 89.6 | 91.6 | 93.9 | 94.2 | 94.7 | 94.9 | 95.5 | 95.9 | 95.9 | 96.0 | 96.1 | 96.2 | 96.4 | 96.6 | |
| GE 1000 | | | 89.6 | 91.9 | 94.2 | 94.4 | 95.0 | 95.5 | 96.4 | 96.7 | 96.7 | 96.9 | 97.0 | 97.1 | 97.2 | 97.5 | |
| GE 900 | | | 89.6 | 91.9 | 94.4 | 94.7 | 95.3 | 95.8 | 96.6 | 97.0 | 97.0 | 97.1 | 97.2 | 97.3 | 97.5 | 97.7 | |
| GE 800 | | | 90.0 | 92.0 | 94.6 | 94.8 | 95.4 | 96.0 | 96.9 | 97.2 | 97.2 | 97.3 | 97.5 | 97.6 | 97.7 | 97.9 | |
| GE 700 | | | 90.0 | 92.0 | 94.6 | 94.8 | 95.4 | 96.0 | 96.9 | 97.2 | 97.2 | 97.3 | 97.5 | 97.6 | 97.7 | 97.9 | |
| GE 600 | | | 90.0 | 92.0 | 94.6 | 94.8 | 95.4 | 96.0 | 96.9 | 97.2 | 97.2 | 97.3 | 97.5 | 97.6 | 97.7 | 97.9 | |
| GE 500 | | | 90.0 | 92.0 | 94.6 | 94.8 | 95.4 | 96.0 | 96.9 | 97.2 | 97.2 | 97.3 | 97.5 | 97.6 | 97.7 | 97.9 | |
| GE 400 | | | 90.0 | 92.0 | 94.8 | 95.0 | 95.6 | 96.2 | 97.1 | 97.5 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.2 | |
| GE 300 | | | 90.0 | 92.0 | 94.8 | 95.0 | 95.8 | 96.4 | 97.3 | 97.6 | 97.6 | 97.7 | 98.1 | 98.2 | 98.3 | 98.5 | |
| GE 200 | | | 90.0 | 92.0 | 94.8 | 95.0 | 95.8 | 96.4 | 97.3 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.4 | 98.9 | |
| GE 100 | | | 90.0 | 92.0 | 94.8 | 95.0 | 95.8 | 96.4 | 97.3 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.4 | 100.0 | |
| GE C | | | 90.0 | 92.0 | 94.4 | 95.0 | 95.8 | 96.4 | 97.2 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.4 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 526

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(EST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | 87.3 | 88.7 | 90.0 | 90.5 | 90.8 | 91.2 | 91.5 | 91.9 | 91.9 | 92.0 | 92.3 | 92.4 | 92.6 | 92.9 | |
| GE 4500 | | | | 87.5 | 88.9 | 90.3 | 90.7 | 91.0 | 91.4 | 91.7 | 92.1 | 92.1 | 92.2 | 92.5 | 92.7 | 92.8 | 93.1 | |
| GE 4000 | | | | 88.4 | 89.8 | 91.3 | 91.8 | 92.1 | 92.5 | 92.8 | 93.2 | 93.2 | 93.3 | 93.6 | 93.8 | 93.9 | 94.3 | |
| GE 3500 | | | | 89.6 | 90.2 | 91.7 | 92.2 | 92.5 | 92.9 | 93.2 | 93.6 | 93.7 | 93.7 | 94.0 | 94.2 | 94.4 | 94.7 | |
| GE 3000 | | | | 89.2 | 90.9 | 92.5 | 93.0 | 93.3 | 93.8 | 94.1 | 94.5 | 94.6 | 94.6 | 95.0 | 95.2 | 95.4 | 95.7 | |
| GE 2500 | | | | 89.3 | 90.9 | 92.6 | 93.0 | 93.4 | 93.9 | 94.2 | 94.6 | 94.7 | 94.7 | 95.1 | 95.3 | 95.4 | 95.8 | |
| GE 2000 | | | | 89.6 | 91.2 | 93.0 | 93.4 | 93.8 | 94.3 | 94.6 | 95.1 | 95.1 | 95.1 | 95.2 | 95.5 | 95.8 | 95.9 | |
| GE 1800 | | | | 89.6 | 91.3 | 93.0 | 93.5 | 93.9 | 94.3 | 94.7 | 95.1 | 95.1 | 95.1 | 95.2 | 95.6 | 95.8 | 95.9 | |
| GE 1500 | | | | 89.6 | 91.4 | 93.2 | 93.7 | 94.1 | 94.7 | 95.0 | 95.4 | 95.5 | 95.5 | 95.6 | 95.9 | 96.1 | 96.3 | |
| GE 1200 | | | | 90.0 | 91.7 | 93.6 | 94.1 | 94.5 | 95.0 | 95.4 | 95.8 | 95.9 | 95.9 | 96.3 | 96.5 | 96.7 | 97.0 | |
| GE 1000 | | | | 90.1 | 91.9 | 93.8 | 94.3 | 94.7 | 95.4 | 95.8 | 96.3 | 96.3 | 96.4 | 96.7 | 96.9 | 97.1 | 97.5 | |
| GE 900 | | | | 90.2 | 92.0 | 93.9 | 94.4 | 94.9 | 95.5 | 95.9 | 96.4 | 96.5 | 96.5 | 96.9 | 97.1 | 97.3 | 97.6 | |
| GE 800 | | | | 90.2 | 92.0 | 93.9 | 94.4 | 94.9 | 95.6 | 96.0 | 96.5 | 96.5 | 96.6 | 97.0 | 97.2 | 97.3 | 97.7 | |
| GE 700 | | | | 90.2 | 92.0 | 94.0 | 94.5 | 94.9 | 95.6 | 96.0 | 96.5 | 96.6 | 96.6 | 97.0 | 97.2 | 97.4 | 97.7 | |
| GE 600 | | | | 90.2 | 92.0 | 94.0 | 94.5 | 94.9 | 95.6 | 96.0 | 96.5 | 96.6 | 96.6 | 97.1 | 97.3 | 97.5 | 97.8 | |
| GE 500 | | | | 90.3 | 92.1 | 94.0 | 94.5 | 95.0 | 95.7 | 96.1 | 96.6 | 96.7 | 96.7 | 97.3 | 97.5 | 97.7 | 98.1 | |
| GE 400 | | | | 90.3 | 92.1 | 94.1 | 94.6 | 95.0 | 95.7 | 96.1 | 96.7 | 96.8 | 96.8 | 97.6 | 97.8 | 98.0 | 98.4 | |
| GE 300 | | | | 90.3 | 92.1 | 94.1 | 94.6 | 95.1 | 95.8 | 96.2 | 96.7 | 96.9 | 97.1 | 97.8 | 98.1 | 98.3 | 98.7 | |
| GE 200 | | | | 90.3 | 92.1 | 94.1 | 94.6 | 95.1 | 95.8 | 96.2 | 96.8 | 96.9 | 97.1 | 97.9 | 98.2 | 98.6 | 99.3 | |
| GE 100 | | | | 90.3 | 92.1 | 94.1 | 94.6 | 95.1 | 95.8 | 96.2 | 96.8 | 96.9 | 97.1 | 97.9 | 98.3 | 98.7 | 100.0 | |
| GE 0 | | | | 90.3 | 92.1 | 94.1 | 94.6 | 95.1 | 95.8 | 96.2 | 96.8 | 96.9 | 97.1 | 97.9 | 98.3 | 98.7 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 6589

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(CELT): 0000-0200

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GF 1 | GE 3/4 | GE 5/8 | GE 1/2 | GF 5/16 | GE 1/4 | GF 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | 87.3 | 88.6 | 87.7 | 89.7 | 90.5 | 91.1 | 91.1 | 92.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 93.0 |
| GE | 4500 | | 87.3 | 88.6 | 87.7 | 89.7 | 90.5 | 91.1 | 91.1 | 92.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 93.0 |
| GE | 4000 | | 88.0 | 89.2 | 90.6 | 90.6 | 91.6 | 92.3 | 92.3 | 93.6 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.5 |
| GE | 3500 | | 88.1 | 87.3 | 90.8 | 90.8 | 91.7 | 92.4 | 92.4 | 93.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.6 |
| GE | 3000 | | 88.4 | 87.7 | 91.4 | 91.4 | 92.4 | 93.1 | 93.1 | 94.4 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.2 | 95.3 |
| GE | 2500 | | 88.6 | 89.8 | 91.5 | 91.5 | 92.5 | 93.2 | 93.2 | 94.5 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.4 |
| GE | 2000 | | 88.8 | 90.0 | 91.7 | 91.9 | 93.1 | 93.8 | 93.8 | 95.3 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.3 |
| GE | 1800 | | 88.9 | 90.3 | 92.1 | 92.2 | 93.4 | 94.2 | 94.2 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 |
| GE | 1500 | | 88.9 | 90.3 | 92.1 | 92.2 | 93.4 | 94.2 | 94.2 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 |
| GE | 1200 | | 88.9 | 90.3 | 92.1 | 92.2 | 93.4 | 94.2 | 94.2 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 |
| GE | 1000 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.5 | 94.3 | 94.3 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.8 |
| GE | 900 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.5 | 94.3 | 94.3 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.8 |
| GE | 800 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.7 | 94.5 | 94.5 | 95.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.9 | 97.2 |
| GE | 700 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.7 | 94.5 | 94.5 | 95.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.9 | 97.2 |
| GE | 600 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.7 | 94.5 | 94.5 | 95.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.9 | 97.2 |
| GE | 500 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.7 | 94.5 | 94.5 | 95.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.9 | 97.2 |
| GE | 400 | | 89.0 | 90.4 | 92.2 | 92.3 | 93.8 | 94.6 | 94.6 | 96.0 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.6 | 98.0 |
| GE | 300 | | 89.0 | 90.4 | 92.2 | 92.4 | 93.8 | 94.6 | 94.6 | 96.0 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.6 | 98.2 |
| GE | 200 | | 89.0 | 90.4 | 92.2 | 92.4 | 93.8 | 94.6 | 94.6 | 96.0 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.6 | 98.6 |
| GE | 100 | | 89.0 | 90.4 | 92.2 | 92.4 | 93.8 | 94.6 | 94.6 | 96.0 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.6 | 98.4 |
| GE | 0 | | 89.0 | 90.4 | 92.2 | 92.4 | 93.8 | 94.6 | 94.6 | 96.0 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS/1ST: 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|------|------|------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 86.6 | 89.0 | 90.6 | 90.7 | 91.2 | 91.8 | 91.8 | 92.5 | 92.7 | 92.7 | 92.8 | 92.9 | 93.0 | 93.3 |
| GE 4500 | | | 86.8 | 89.0 | 90.6 | 90.7 | 91.2 | 91.8 | 91.8 | 92.5 | 92.7 | 92.7 | 92.8 | 92.9 | 93.0 | 93.3 |
| GE 4000 | | | 87.3 | 89.8 | 91.2 | 91.4 | 92.0 | 92.5 | 92.5 | 93.4 | 93.5 | 93.5 | 93.6 | 93.8 | 93.9 | 94.2 |
| GE 3500 | | | 87.4 | 90.0 | 91.6 | 91.7 | 92.2 | 92.8 | 92.8 | 93.6 | 93.9 | 93.9 | 93.9 | 94.0 | 94.1 | 94.4 |
| GE 3000 | | | 87.5 | 90.1 | 91.9 | 92.0 | 92.5 | 93.1 | 93.1 | 94.0 | 94.1 | 94.1 | 94.2 | 94.3 | 94.4 | 94.7 |
| GE 2500 | | | 87.7 | 90.4 | 92.1 | 92.2 | 92.8 | 93.3 | 93.3 | 94.2 | 94.3 | 94.3 | 94.4 | 94.5 | 94.6 | 95.0 |
| GE 2000 | | | 88.2 | 90.8 | 92.5 | 93.0 | 93.8 | 94.4 | 94.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.7 | 95.8 | 96.2 |
| GE 1800 | | | 88.3 | 90.9 | 92.7 | 93.1 | 93.9 | 94.5 | 94.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.8 | 95.9 | 96.3 |
| GE 1500 | | | 88.3 | 90.9 | 92.7 | 93.1 | 93.9 | 94.5 | 94.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.8 | 95.9 | 96.3 |
| GE 1200 | | | 88.3 | 90.9 | 92.7 | 93.1 | 93.9 | 94.5 | 94.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.8 | 95.9 | 96.3 |
| GE 1000 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 95.9 | 96.1 | 96.2 | 96.3 | 96.6 |
| GE 900 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 95.9 | 96.1 | 96.2 | 96.3 | 96.6 |
| GE 800 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 95.9 | 96.5 | 96.8 | 96.9 | 97.3 |
| GE 700 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 95.9 | 96.5 | 96.8 | 96.9 | 97.3 |
| GE 600 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.2 | 96.8 | 97.1 | 97.4 | 97.7 |
| GE 500 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.2 | 96.8 | 97.1 | 97.7 | 98.0 |
| GE 400 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.2 | 96.8 | 97.1 | 97.7 | 98.4 |
| GE 300 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.2 | 96.8 | 97.1 | 97.7 | 98.7 |
| GE 200 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.3 | 96.9 | 97.3 | 97.8 | 98.8 |
| GE 100 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.3 | 96.9 | 97.3 | 97.9 | 99.6 |
| GE 0 | | | 88.4 | 91.0 | 92.8 | 93.2 | 94.0 | 94.6 | 94.6 | 95.7 | 95.9 | 96.3 | 96.9 | 97.3 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PLP170 OF PLCORD: 77-86
MONTH: MAR HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 85.1 | 86.9 | 88.5 | 88.9 | 89.2 | 89.7 | 89.7 | 90.9 | 91.2 | 91.4 | 91.7 | 91.7 | 91.8 | 92.0 |
| GE 4500 | | | 85.1 | 86.9 | 88.5 | 88.9 | 89.2 | 89.7 | 89.7 | 90.9 | 91.2 | 91.4 | 91.7 | 91.7 | 91.8 | 92.0 |
| GE 4000 | | | 85.7 | 87.6 | 89.3 | 89.6 | 90.0 | 90.6 | 90.6 | 91.9 | 92.1 | 92.4 | 92.7 | 92.7 | 92.8 | 93.0 |
| GE 3500 | | | 86.0 | 87.9 | 89.6 | 90.0 | 90.3 | 91.1 | 91.1 | 92.4 | 92.6 | 92.8 | 93.1 | 93.1 | 93.2 | 93.5 |
| GE 3000 | | | 86.4 | 88.4 | 90.3 | 90.6 | 91.1 | 91.8 | 91.8 | 93.1 | 93.3 | 93.6 | 94.1 | 94.1 | 94.2 | 94.4 |
| GE 2500 | | | 86.7 | 88.8 | 90.6 | 90.9 | 91.4 | 92.1 | 92.1 | 93.5 | 93.7 | 93.9 | 94.4 | 94.4 | 94.5 | 94.8 |
| GE 2000 | | | 87.7 | 90.0 | 91.8 | 92.1 | 92.7 | 93.5 | 93.5 | 95.0 | 95.3 | 95.5 | 96.1 | 96.1 | 96.2 | 96.4 |
| GE 1800 | | | 87.7 | 90.0 | 91.8 | 92.1 | 92.7 | 93.5 | 93.5 | 95.0 | 95.3 | 95.5 | 96.1 | 96.1 | 96.2 | 96.4 |
| GE 1500 | | | 87.8 | 90.1 | 91.9 | 92.3 | 92.8 | 93.6 | 93.6 | 95.1 | 95.4 | 95.6 | 96.2 | 96.2 | 96.3 | 96.5 |
| GE 1200 | | | 87.8 | 90.1 | 91.9 | 92.3 | 92.8 | 93.6 | 93.6 | 95.1 | 95.5 | 95.7 | 96.3 | 96.3 | 96.4 | 96.6 |
| GE 1000 | | | 87.9 | 90.2 | 92.0 | 92.4 | 92.9 | 93.8 | 93.8 | 95.9 | 96.4 | 96.6 | 97.2 | 97.2 | 97.3 | 97.6 |
| GE 900 | | | 87.9 | 90.2 | 92.0 | 92.4 | 92.9 | 93.8 | 93.8 | 95.9 | 96.4 | 96.6 | 97.2 | 97.2 | 97.3 | 97.6 |
| GE 800 | | | 87.9 | 90.2 | 92.0 | 92.4 | 92.9 | 93.8 | 93.8 | 95.9 | 96.4 | 96.6 | 97.5 | 97.5 | 97.6 | 97.9 |
| GE 700 | | | 87.9 | 90.2 | 92.0 | 92.4 | 92.9 | 93.8 | 93.8 | 95.9 | 96.4 | 96.6 | 97.5 | 97.5 | 97.6 | 97.9 |
| GE 600 | | | 87.9 | 90.2 | 92.0 | 92.4 | 92.9 | 93.8 | 93.8 | 95.9 | 96.4 | 96.6 | 97.5 | 97.5 | 97.6 | 97.9 |
| GE 500 | | | 88.0 | 90.3 | 92.1 | 92.5 | 93.0 | 93.9 | 93.9 | 96.0 | 96.7 | 96.9 | 97.8 | 97.8 | 98.4 | 98.8 |
| GE 400 | | | 88.0 | 90.3 | 92.1 | 92.5 | 93.0 | 93.9 | 93.9 | 96.0 | 96.7 | 96.9 | 97.8 | 97.9 | 98.5 | 99.0 |
| GE 300 | | | 88.6 | 90.3 | 92.1 | 92.5 | 93.0 | 93.9 | 93.9 | 96.0 | 96.7 | 96.9 | 97.8 | 97.9 | 98.5 | 99.0 |
| GE 200 | | | 88.0 | 90.3 | 92.1 | 92.5 | 93.0 | 93.9 | 93.9 | 96.0 | 96.7 | 96.9 | 97.9 | 98.0 | 98.6 | 99.2 |
| GE 100 | | | 88.0 | 90.3 | 92.1 | 92.5 | 93.0 | 93.9 | 93.9 | 96.0 | 96.7 | 96.9 | 97.9 | 98.0 | 98.6 | 99.6 |
| GE 0 | | | 88.1 | 90.3 | 92.1 | 92.5 | 93.0 | 93.9 | 93.9 | 96.0 | 96.7 | 96.9 | 97.9 | 98.0 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 85.4 | 87.0 | 88.4 | 89.1 | 90.8 | 91.7 | 91.8 | 91.9 | 91.9 | 92.0 | 92.6 | 92.6 | 92.8 | 93.3 |
| GE 4500 | | | 85.5 | 87.1 | 88.5 | 89.2 | 90.9 | 91.8 | 91.9 | 92.0 | 92.0 | 92.1 | 92.7 | 92.7 | 92.9 | 93.5 |
| GE 4000 | | | 85.7 | 87.4 | 88.9 | 89.5 | 91.3 | 92.1 | 92.4 | 92.6 | 92.6 | 92.7 | 93.2 | 93.2 | 93.5 | 94.1 |
| GE 3500 | | | 85.9 | 87.6 | 89.1 | 89.9 | 91.6 | 92.5 | 92.7 | 93.0 | 93.0 | 93.1 | 93.7 | 93.7 | 93.9 | 94.5 |
| GE 3000 | | | 86.0 | 87.7 | 89.3 | 90.1 | 92.3 | 93.1 | 93.3 | 93.8 | 93.8 | 93.9 | 94.4 | 94.4 | 94.7 | 95.3 |
| GE 2500 | | | 86.6 | 88.2 | 89.9 | 90.6 | 92.9 | 93.8 | 94.0 | 94.4 | 94.4 | 94.5 | 95.1 | 95.1 | 95.3 | 96.0 |
| GE 2000 | | | 86.6 | 88.4 | 90.3 | 91.2 | 93.5 | 94.4 | 94.7 | 95.1 | 95.1 | 95.2 | 95.7 | 95.7 | 96.0 | 96.7 |
| GE 1800 | | | 86.6 | 88.4 | 90.3 | 91.2 | 93.5 | 94.4 | 94.7 | 95.1 | 95.1 | 95.2 | 95.7 | 95.7 | 96.0 | 96.7 |
| GE 1500 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.1 | 95.4 | 95.9 | 95.9 | 96.0 | 96.5 | 96.5 | 96.7 | 97.5 |
| GE 1200 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.1 | 95.4 | 95.9 | 95.9 | 96.0 | 96.5 | 96.5 | 96.7 | 97.5 |
| GE 1000 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.3 | 96.3 | 96.4 | 96.9 | 96.9 | 97.2 | 98.0 |
| GE 900 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.3 | 96.3 | 96.4 | 96.9 | 96.9 | 97.2 | 98.0 |
| GE 800 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.4 | 96.4 | 96.5 | 97.3 | 97.3 | 97.5 | 98.4 |
| GE 700 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.4 | 96.4 | 96.5 | 97.3 | 97.3 | 97.5 | 98.4 |
| GE 600 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.4 | 96.5 | 96.6 | 97.4 | 97.4 | 97.6 | 98.5 |
| GE 500 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.4 | 96.5 | 96.6 | 97.4 | 97.4 | 97.7 | 98.6 |
| GE 400 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.4 | 96.5 | 96.6 | 97.4 | 97.4 | 97.8 | 99.0 |
| GE 300 | | | 87.0 | 88.7 | 90.5 | 91.4 | 94.0 | 95.2 | 95.5 | 96.4 | 96.5 | 96.6 | 97.4 | 97.4 | 97.8 | 99.0 |
| GE 200 | | | 87.1 | 88.8 | 90.6 | 91.5 | 94.1 | 95.3 | 95.6 | 96.5 | 96.6 | 96.7 | 97.5 | 97.5 | 97.9 | 99.3 |
| GE 100 | | | 87.1 | 88.8 | 90.6 | 91.5 | 94.1 | 95.3 | 95.6 | 96.5 | 96.6 | 96.7 | 97.6 | 97.6 | 98.0 | 99.7 |
| GE 0 | | | 87.1 | 88.8 | 90.6 | 91.5 | 94.1 | 95.3 | 95.6 | 96.5 | 96.6 | 96.7 | 97.6 | 97.6 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AP GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 209

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS (LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-----|----|----|
| IN | GL | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 7/8 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | |
| GE 5000 | | 84.4 | 85.5 | 87.2 | 87.8 | 89.0 | 89.7 | 89.7 | 90.9 | 91.0 | 91.1 | 91.7 | 91.7 | 92.1 | 92.9 | | | |
| GE 4500 | | 84.7 | 85.8 | 87.4 | 88.1 | 89.3 | 89.9 | 89.9 | 91.1 | 91.2 | 91.3 | 91.9 | 91.9 | 92.3 | 93.1 | | | |
| GE 4000 | | 85.3 | 86.6 | 88.3 | 88.9 | 90.3 | 90.9 | 90.9 | 92.4 | 92.7 | 92.8 | 93.4 | 93.4 | 93.9 | 95.0 | | | |
| GE 3500 | | 85.7 | 87.0 | 89.7 | 89.4 | 90.7 | 91.3 | 91.3 | 92.9 | 93.1 | 93.2 | 93.9 | 94.0 | 94.4 | 95.5 | | | |
| GE 3000 | | 85.9 | 87.2 | 89.2 | 89.8 | 91.3 | 92.1 | 92.1 | 93.6 | 93.9 | 94.0 | 94.6 | 94.7 | 95.2 | 96.4 | | | |
| GE 2500 | | 86.1 | 87.4 | 89.4 | 90.0 | 91.6 | 92.6 | 92.6 | 94.2 | 94.4 | 94.5 | 95.2 | 95.3 | 95.7 | 96.9 | | | |
| GE 2000 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.0 | 93.0 | 94.6 | 94.9 | 95.0 | 95.7 | 95.9 | 96.6 | 97.9 | | | |
| GE 1800 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.0 | 93.0 | 94.6 | 94.9 | 95.0 | 95.7 | 95.9 | 96.6 | 97.9 | | | |
| GE 1600 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.0 | 93.0 | 94.6 | 94.9 | 95.0 | 95.7 | 95.9 | 96.6 | 97.9 | | | |
| GE 1400 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.0 | 93.1 | 94.9 | 95.1 | 95.2 | 95.9 | 96.2 | 96.8 | 98.1 | | | |
| GE 1000 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.1 | 93.2 | 95.0 | 95.2 | 95.3 | 96.1 | 96.3 | 96.9 | 98.2 | | | |
| GE 900 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.1 | 93.2 | 95.0 | 95.2 | 95.3 | 96.1 | 96.3 | 96.9 | 98.2 | | | |
| GE 800 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.1 | 95.3 | 95.4 | 96.2 | 96.4 | 97.0 | 98.4 | | | |
| GE 700 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.1 | 95.3 | 95.4 | 96.2 | 96.4 | 97.0 | 98.4 | | | |
| GE 600 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.1 | 95.3 | 95.4 | 96.2 | 96.4 | 97.0 | 98.4 | | | |
| GE 500 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.2 | 95.4 | 95.5 | 96.3 | 96.5 | 97.2 | 98.6 | | | |
| GE 400 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.2 | 95.4 | 95.5 | 96.3 | 96.5 | 97.2 | 98.6 | | | |
| GE 300 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.2 | 95.4 | 95.5 | 96.3 | 96.5 | 97.2 | 98.7 | | | |
| GE 200 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.2 | 95.4 | 95.5 | 96.3 | 96.5 | 97.3 | 98.8 | | | |
| GE 100 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.2 | 95.4 | 95.5 | 96.3 | 96.5 | 97.4 | 99.3 | | | |
| GE 0 | | 86.1 | 87.5 | 89.7 | 90.4 | 92.0 | 93.2 | 93.3 | 95.2 | 95.4 | 95.5 | 96.3 | 96.5 | 97.5 | 100.0 | | | |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THUL AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 1/2 | GE 3 1/4 | GE 3 | GE 2 1/2 | GE 2 1/4 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 |
| NO CEIL | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 4500 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 4000 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 3500 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 3000 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 2500 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 2000 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 1800 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 1600 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 1400 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 1200 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 1000 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 900 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 800 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 700 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 600 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 500 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 400 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 300 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 200 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 100 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |
| GE 0 | | | 84.2 | 85.1 | 86.0 | 86.3 | 87.7 | 88.2 | 88.4 | 89.8 | 89.8 | 89.8 | 90.2 | 90.3 | 90.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LEST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 85.9 | 87.4 | 88.8 | 89.0 | 90.1 | 90.6 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.2 | 91.5 | 91.5 | |
| GE 4500 | | | 85.9 | 87.4 | 88.9 | 89.1 | 90.2 | 90.8 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.3 | 91.6 | 91.6 | |
| GE 4000 | | | 87.0 | 88.6 | 90.1 | 90.3 | 91.8 | 92.3 | 92.4 | 92.7 | 92.9 | 92.9 | 93.1 | 93.3 | 93.7 | 93.7 | |
| GE 3500 | | | 87.2 | 88.9 | 90.3 | 90.5 | 92.0 | 92.7 | 92.8 | 93.0 | 93.2 | 93.2 | 93.4 | 93.7 | 94.0 | 94.0 | |
| GE 3000 | | | 87.3 | 89.1 | 91.1 | 91.3 | 92.8 | 93.5 | 93.8 | 94.0 | 94.2 | 94.2 | 94.4 | 94.7 | 95.0 | 95.1 | |
| GE 2500 | | | 87.5 | 89.3 | 91.3 | 91.5 | 93.0 | 93.8 | 94.0 | 94.2 | 94.4 | 94.4 | 94.7 | 94.9 | 95.2 | 95.3 | |
| GE 2000 | | | 87.6 | 89.4 | 91.4 | 91.6 | 93.1 | 94.0 | 94.2 | 94.8 | 95.0 | 95.0 | 95.2 | 95.4 | 95.8 | 96.1 | |
| GE 1800 | | | 87.6 | 89.4 | 91.4 | 91.9 | 93.3 | 94.2 | 94.4 | 95.0 | 95.2 | 95.2 | 95.4 | 95.7 | 96.0 | 96.3 | |
| GE 1500 | | | 87.6 | 89.5 | 91.5 | 92.0 | 93.4 | 94.3 | 94.5 | 95.1 | 95.3 | 95.3 | 95.5 | 95.8 | 96.1 | 96.4 | |
| GE 1200 | | | 87.6 | 89.5 | 91.5 | 92.0 | 93.4 | 94.3 | 94.5 | 95.1 | 95.3 | 95.3 | 95.5 | 95.8 | 96.1 | 96.4 | |
| GE 1000 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.5 | 94.4 | 94.7 | 95.2 | 95.7 | 95.7 | 96.0 | 96.2 | 96.5 | 97.0 | |
| GE 900 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.5 | 94.4 | 94.7 | 95.2 | 95.7 | 95.7 | 96.0 | 96.2 | 96.5 | 97.0 | |
| GE 800 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.5 | 94.4 | 94.7 | 95.2 | 95.7 | 95.7 | 96.0 | 96.2 | 96.5 | 97.1 | |
| GE 700 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.5 | 94.4 | 94.7 | 95.2 | 95.7 | 95.7 | 96.0 | 96.2 | 96.5 | 97.1 | |
| GE 600 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.4 | 95.9 | 95.9 | 96.2 | 96.5 | 96.9 | 97.4 | |
| GE 500 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.7 | 96.1 | 96.1 | 96.5 | 96.9 | 97.2 | 97.8 | |
| GE 400 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.7 | 96.1 | 96.1 | 96.5 | 96.9 | 97.4 | 98.1 | |
| GE 300 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.7 | 96.1 | 96.1 | 96.5 | 96.9 | 97.4 | 98.2 | |
| GE 200 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.7 | 96.1 | 96.2 | 96.7 | 97.0 | 97.6 | 98.6 | |
| GE 100 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.7 | 96.1 | 96.2 | 96.7 | 97.0 | 97.7 | 99.2 | |
| GE 0 | | | 87.6 | 89.5 | 91.6 | 92.1 | 93.8 | 94.7 | 94.9 | 95.7 | 96.1 | 96.2 | 96.9 | 97.2 | 97.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(EST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|----|------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|-----|------|-----|---|
| IN | FEET | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | | |
| | | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 7 | 1 | 1/2 | 1 | 1/4 | 1 | 1/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CELL | | | | | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 85.6 | 87.0 | 88.5 | 88.8 | 89.8 | 90.4 | 90.4 | 91.3 | 91.4 | 91.5 | 91.8 | 91.8 | 92.1 | 92.5 | | | | |
| GE | 4500 | | | 85.6 | 87.1 | 88.5 | 88.9 | 89.9 | 90.4 | 90.5 | 91.3 | 91.5 | 91.5 | 91.8 | 91.9 | 92.2 | 92.5 | | | | |
| GE | 4000 | | | 86.7 | 87.8 | 89.3 | 89.7 | 90.8 | 91.4 | 91.5 | 92.5 | 92.6 | 92.7 | 93.1 | 93.1 | 93.4 | 93.9 | | | | |
| GE | 3500 | | | 86.6 | 88.1 | 89.7 | 90.1 | 91.2 | 91.8 | 91.9 | 92.9 | 93.1 | 93.2 | 93.5 | 93.6 | 93.9 | 94.4 | | | | |
| GE | 3000 | | | 86.7 | 88.3 | 90.2 | 90.6 | 91.8 | 92.5 | 92.6 | 93.6 | 93.9 | 93.9 | 94.3 | 94.4 | 94.7 | 95.2 | | | | |
| GE | 2500 | | | 87.0 | 88.6 | 90.5 | 90.9 | 92.1 | 92.9 | 93.0 | 94.0 | 94.2 | 94.3 | 94.7 | 94.8 | 95.1 | 95.6 | | | | |
| GE | 2000 | | | 87.3 | 89.0 | 90.9 | 91.4 | 92.7 | 93.5 | 93.6 | 94.8 | 95.0 | 95.1 | 95.5 | 95.6 | 95.9 | 96.5 | | | | |
| GE | 1800 | | | 87.4 | 89.0 | 91.0 | 91.5 | 92.8 | 93.6 | 93.8 | 94.9 | 95.1 | 95.2 | 95.6 | 95.7 | 96.1 | 96.6 | | | | |
| GE | 1500 | | | 87.4 | 89.1 | 91.0 | 91.6 | 93.0 | 93.9 | 94.0 | 95.2 | 95.4 | 95.5 | 95.9 | 96.0 | 96.3 | 96.9 | | | | |
| GE | 1200 | | | 87.4 | 89.1 | 91.0 | 91.6 | 93.0 | 93.9 | 94.0 | 95.2 | 95.5 | 95.5 | 95.9 | 96.0 | 96.4 | 96.9 | | | | |
| GE | 1000 | | | 87.5 | 89.2 | 91.1 | 91.6 | 93.1 | 94.0 | 94.2 | 95.5 | 95.8 | 95.9 | 96.3 | 96.4 | 96.8 | 97.4 | | | | |
| GE | 900 | | | 87.5 | 89.2 | 91.1 | 91.6 | 93.1 | 94.0 | 94.2 | 95.5 | 95.8 | 95.9 | 96.3 | 96.4 | 96.8 | 97.4 | | | | |
| GE | 800 | | | 87.5 | 89.2 | 91.1 | 91.6 | 93.1 | 94.0 | 94.2 | 95.5 | 95.9 | 95.9 | 96.6 | 96.7 | 97.0 | 97.7 | | | | |
| GE | 700 | | | 87.5 | 89.2 | 91.1 | 91.6 | 93.1 | 94.1 | 94.2 | 95.5 | 95.9 | 96.0 | 96.6 | 96.7 | 97.1 | 97.7 | | | | |
| GE | 650 | | | 87.5 | 89.2 | 91.1 | 91.6 | 93.1 | 94.1 | 94.3 | 95.6 | 95.9 | 96.1 | 96.7 | 96.9 | 97.2 | 97.9 | | | | |
| GE | 500 | | | 87.5 | 89.2 | 91.1 | 91.6 | 93.2 | 94.1 | 94.3 | 95.6 | 96.0 | 96.2 | 96.9 | 97.0 | 97.5 | 98.7 | | | | |
| GE | 400 | | | 87.5 | 89.2 | 91.1 | 91.7 | 93.2 | 94.1 | 94.3 | 95.7 | 96.0 | 96.2 | 96.9 | 97.0 | 97.6 | 98.6 | | | | |
| GE | 300 | | | 87.5 | 89.2 | 91.1 | 91.7 | 93.2 | 94.1 | 94.3 | 95.7 | 96.0 | 96.2 | 96.9 | 97.0 | 97.6 | 98.6 | | | | |
| GE | 200 | | | 87.5 | 89.2 | 91.1 | 91.7 | 93.2 | 94.1 | 94.3 | 95.7 | 96.0 | 96.2 | 96.9 | 97.1 | 97.6 | 98.8 | | | | |
| GE | 100 | | | 87.5 | 89.2 | 91.1 | 91.7 | 93.2 | 94.1 | 94.3 | 95.7 | 96.0 | 96.2 | 96.9 | 97.1 | 97.7 | 99.4 | | | | |
| GE | 0 | | | 87.5 | 89.2 | 91.1 | 91.7 | 93.2 | 94.1 | 94.3 | 95.7 | 96.1 | 96.2 | 97.0 | 97.2 | 97.8 | 100.0 | | | | |

TOTAL NUMBER OF OBSERVATIONS: 1775

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 0000-0200

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.8 | 86.2 | 87.2 | 87.5 | 88.8 | 89.2 | 89.6 | 90.1 | 90.1 | 90.1 | 90.4 | 90.7 | 90.8 | 90.9 | |
| GE 4500 | | | 85.4 | 86.7 | 87.8 | 88.1 | 89.4 | 89.8 | 90.1 | 90.7 | 90.7 | 90.7 | 90.9 | 91.3 | 91.4 | 91.5 | |
| GE 4000 | | | 87.1 | 88.4 | 89.6 | 90.4 | 91.7 | 92.2 | 92.5 | 93.1 | 93.3 | 93.3 | 93.5 | 93.9 | 94.2 | 94.3 | |
| GE 3500 | | | 87.2 | 88.6 | 89.8 | 90.6 | 92.0 | 92.5 | 92.9 | 93.4 | 93.8 | 93.8 | 94.0 | 94.3 | 94.7 | 94.8 | |
| GE 3000 | | | 87.5 | 89.1 | 90.6 | 91.4 | 92.8 | 93.3 | 93.7 | 94.2 | 94.6 | 94.6 | 94.9 | 95.1 | 95.5 | 95.6 | |
| GE 2500 | | | 87.5 | 89.1 | 90.6 | 91.4 | 92.8 | 93.5 | 93.9 | 94.5 | 94.8 | 94.8 | 95.0 | 95.4 | 95.7 | 95.8 | |
| GE 2000 | | | 88.1 | 89.8 | 91.3 | 92.2 | 93.5 | 94.3 | 94.7 | 95.2 | 95.6 | 95.6 | 95.8 | 96.1 | 96.5 | 96.6 | |
| GE 1800 | | | 88.1 | 89.8 | 91.3 | 92.2 | 93.5 | 94.3 | 94.7 | 95.2 | 95.6 | 95.6 | 95.8 | 96.1 | 96.5 | 96.6 | |
| GE 1500 | | | 88.2 | 89.9 | 91.4 | 92.3 | 93.8 | 94.7 | 95.0 | 95.7 | 96.0 | 96.0 | 96.4 | 96.7 | 97.1 | 97.2 | |
| GE 1200 | | | 88.2 | 89.9 | 91.4 | 92.3 | 93.8 | 94.7 | 95.0 | 95.7 | 96.0 | 96.0 | 96.4 | 96.7 | 97.1 | 97.2 | |
| GE 1000 | | | 88.2 | 89.9 | 91.4 | 92.4 | 93.9 | 94.9 | 95.2 | 95.9 | 96.3 | 96.3 | 96.6 | 96.9 | 97.3 | 97.4 | |
| GE 900 | | | 88.2 | 89.9 | 91.4 | 92.4 | 93.9 | 94.9 | 95.2 | 95.9 | 96.3 | 96.3 | 96.6 | 96.9 | 97.3 | 97.4 | |
| GE 800 | | | 88.3 | 90.0 | 91.5 | 92.5 | 94.0 | 95.0 | 95.4 | 96.0 | 96.4 | 96.4 | 96.9 | 97.3 | 97.6 | 97.7 | |
| GE 700 | | | 88.6 | 90.3 | 91.7 | 92.8 | 94.2 | 95.2 | 95.6 | 96.3 | 96.6 | 96.6 | 97.2 | 97.5 | 97.8 | 98.0 | |
| GE 600 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.3 | 95.4 | 95.7 | 96.4 | 96.7 | 96.7 | 97.3 | 97.6 | 98.0 | 98.1 | |
| GE 500 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.3 | 95.4 | 95.7 | 96.6 | 96.9 | 96.9 | 97.6 | 98.0 | 98.4 | 98.5 | |
| GE 400 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.3 | 95.4 | 95.7 | 96.6 | 96.9 | 96.9 | 97.7 | 98.1 | 98.5 | 98.6 | |
| GE 300 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.5 | 95.5 | 95.8 | 96.7 | 97.1 | 97.1 | 97.8 | 98.2 | 98.6 | 98.9 | |
| GE 200 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.5 | 95.5 | 95.8 | 96.7 | 97.1 | 97.1 | 97.8 | 98.2 | 98.6 | 99.0 | |
| GE 100 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.5 | 95.5 | 95.8 | 96.7 | 97.1 | 97.1 | 98.1 | 98.4 | 98.9 | 99.5 | |
| GE 0 | | | 88.7 | 90.4 | 91.8 | 92.9 | 94.5 | 95.5 | 95.8 | 96.7 | 97.1 | 97.1 | 98.2 | 98.5 | 99.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 283

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|----|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | 84.6 | 86.0 | 87.6 | 88.2 | 89.6 | 89.8 | 90.1 | 91.2 | 91.4 | 91.4 | 91.6 | 91.6 | 91.7 | 91.8 | |
| GE | 4500 | | 84.6 | 86.0 | 87.6 | 88.2 | 89.6 | 89.8 | 90.1 | 91.2 | 91.4 | 91.4 | 91.6 | 91.6 | 91.7 | 91.8 | |
| GE | 4000 | | 86.1 | 87.5 | 89.2 | 89.8 | 91.6 | 91.8 | 92.2 | 93.2 | 93.5 | 93.5 | 93.7 | 93.7 | 94.1 | 94.3 | |
| GE | 3500 | | 86.7 | 88.1 | 89.8 | 90.4 | 92.2 | 92.4 | 92.8 | 93.6 | 94.0 | 94.0 | 94.3 | 94.3 | 94.7 | 94.8 | |
| GE | 3000 | | 86.8 | 88.3 | 90.1 | 90.8 | 92.7 | 92.9 | 93.2 | 94.4 | 94.6 | 94.6 | 94.8 | 94.8 | 95.3 | 95.4 | |
| GE | 2500 | | 86.8 | 88.3 | 90.1 | 90.8 | 92.7 | 92.9 | 93.2 | 94.4 | 94.6 | 94.6 | 94.8 | 94.8 | 95.3 | 95.4 | |
| GE | 2000 | | 87.6 | 89.1 | 90.9 | 91.6 | 93.6 | 93.8 | 94.1 | 95.4 | 95.6 | 95.6 | 96.1 | 96.1 | 96.6 | 96.7 | |
| GE | 1800 | | 87.6 | 89.1 | 90.9 | 91.6 | 93.6 | 93.8 | 94.1 | 95.4 | 95.6 | 95.6 | 96.1 | 96.1 | 96.6 | 96.7 | |
| GE | 1500 | | 87.6 | 89.1 | 90.9 | 91.7 | 94.0 | 94.3 | 94.6 | 95.6 | 96.2 | 96.2 | 96.7 | 96.7 | 97.1 | 97.2 | |
| GE | 1200 | | 87.6 | 89.1 | 90.9 | 91.7 | 94.0 | 94.3 | 94.6 | 96.0 | 96.2 | 96.2 | 96.7 | 96.7 | 97.1 | 97.2 | |
| GE | 1000 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.4 | 94.6 | 94.9 | 96.4 | 96.7 | 96.7 | 97.1 | 97.1 | 97.6 | 97.7 | |
| GE | 900 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.4 | 94.6 | 94.9 | 96.4 | 96.7 | 96.7 | 97.1 | 97.1 | 97.6 | 97.7 | |
| GE | 800 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.5 | 94.7 | 95.1 | 96.6 | 96.8 | 96.8 | 97.6 | 97.6 | 98.0 | 98.2 | |
| GE | 700 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.5 | 94.7 | 95.1 | 96.6 | 96.8 | 96.8 | 97.6 | 97.6 | 98.0 | 98.2 | |
| GE | 600 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.5 | 94.7 | 95.1 | 96.6 | 96.8 | 96.9 | 97.7 | 97.7 | 98.2 | 98.3 | |
| GE | 500 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.5 | 94.7 | 95.1 | 96.6 | 96.8 | 96.9 | 97.7 | 97.7 | 98.2 | 98.3 | |
| GE | 400 | | 87.6 | 89.1 | 91.0 | 91.8 | 94.5 | 94.7 | 95.1 | 96.7 | 96.9 | 97.0 | 97.8 | 97.8 | 98.3 | 98.4 | |
| GE | 300 | | 87.6 | 89.2 | 91.2 | 92.0 | 94.8 | 95.1 | 95.5 | 97.0 | 97.2 | 97.4 | 98.2 | 98.3 | 98.7 | 98.9 | |
| GE | 200 | | 87.6 | 89.2 | 91.2 | 92.0 | 94.8 | 95.1 | 95.5 | 97.0 | 97.2 | 97.4 | 98.3 | 98.5 | 99.1 | 99.3 | |
| GE | 100 | | 87.6 | 89.2 | 91.2 | 92.0 | 94.8 | 95.1 | 95.5 | 97.0 | 97.2 | 97.4 | 98.3 | 98.5 | 99.1 | 99.9 | |
| GE | 0 | | 87.6 | 89.2 | 91.2 | 92.0 | 94.8 | 95.1 | 95.5 | 97.0 | 97.2 | 97.4 | 98.3 | 98.5 | 99.1 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 971

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.0 | 85.1 | 86.4 | 86.5 | 88.1 | 88.6 | 88.8 | 89.4 | 89.7 | 89.7 | 89.9 | 90.1 | 90.5 | 90.7 | |
| GE 4500 | | | 84.1 | 85.2 | 86.5 | 86.6 | 88.2 | 88.8 | 88.9 | 89.7 | 89.9 | 89.9 | 90.1 | 90.3 | 90.7 | 90.9 | |
| GE 4000 | | | 85.1 | 86.5 | 88.0 | 88.1 | 89.8 | 90.3 | 90.5 | 91.4 | 91.6 | 91.6 | 91.9 | 92.2 | 92.5 | 92.7 | |
| GE 3500 | | | 85.7 | 87.2 | 88.6 | 88.8 | 90.5 | 91.0 | 91.1 | 92.0 | 92.2 | 92.3 | 92.6 | 92.8 | 93.2 | 93.4 | |
| GE 3000 | | | 86.6 | 88.1 | 89.5 | 89.7 | 91.5 | 92.0 | 92.2 | 93.2 | 93.4 | 93.4 | 93.8 | 94.0 | 94.3 | 94.5 | |
| GE 2500 | | | 86.9 | 88.4 | 90.0 | 90.1 | 92.2 | 92.7 | 93.0 | 94.0 | 94.2 | 94.2 | 94.5 | 94.8 | 95.1 | 95.3 | |
| GE 2000 | | | 86.9 | 88.4 | 90.1 | 90.2 | 92.3 | 92.8 | 93.1 | 94.1 | 94.4 | 94.4 | 94.8 | 95.0 | 95.5 | 95.7 | |
| GE 1800 | | | 86.9 | 88.4 | 90.1 | 90.2 | 92.3 | 92.8 | 93.1 | 94.1 | 94.4 | 94.4 | 94.8 | 95.0 | 95.5 | 95.7 | |
| GE 1500 | | | 86.9 | 88.4 | 90.2 | 90.3 | 92.6 | 93.2 | 93.4 | 94.7 | 94.7 | 95.0 | 95.3 | 95.6 | 96.0 | 96.3 | |
| GE 1200 | | | 87.3 | 88.8 | 90.7 | 90.9 | 93.2 | 93.8 | 94.0 | 95.2 | 95.6 | 95.6 | 95.9 | 96.1 | 96.6 | 96.8 | |
| GE 1000 | | | 87.3 | 88.8 | 90.7 | 90.9 | 93.3 | 93.9 | 94.1 | 95.7 | 96.0 | 96.0 | 96.4 | 96.6 | 97.0 | 97.3 | |
| GE 900 | | | 87.3 | 88.8 | 90.7 | 90.9 | 93.3 | 93.9 | 94.1 | 95.7 | 96.0 | 96.0 | 96.4 | 96.6 | 97.0 | 97.3 | |
| GE 800 | | | 87.3 | 88.8 | 90.7 | 90.9 | 93.3 | 93.9 | 94.1 | 95.8 | 96.1 | 96.1 | 96.9 | 97.2 | 97.6 | 97.8 | |
| GE 700 | | | 87.3 | 88.8 | 90.7 | 90.9 | 93.3 | 93.9 | 94.1 | 95.8 | 96.1 | 96.1 | 96.9 | 97.2 | 97.6 | 97.8 | |
| GE 600 | | | 87.3 | 88.8 | 90.7 | 90.9 | 93.3 | 93.9 | 94.1 | 95.8 | 96.1 | 96.1 | 96.9 | 97.2 | 97.6 | 97.8 | |
| GE 500 | | | 87.3 | 88.8 | 90.9 | 91.1 | 93.5 | 94.1 | 94.3 | 96.0 | 96.4 | 96.4 | 97.2 | 97.4 | 98.0 | 98.2 | |
| GE 400 | | | 87.3 | 88.8 | 90.9 | 91.1 | 93.5 | 94.1 | 94.3 | 96.0 | 96.5 | 96.5 | 97.3 | 97.5 | 98.1 | 98.3 | |
| GE 300 | | | 87.3 | 88.8 | 90.9 | 91.1 | 93.5 | 94.2 | 94.4 | 96.1 | 96.6 | 96.6 | 97.4 | 97.6 | 98.2 | 98.4 | |
| GE 200 | | | 87.3 | 88.8 | 90.9 | 91.1 | 93.5 | 94.2 | 94.4 | 96.4 | 96.9 | 96.9 | 97.6 | 98.0 | 98.9 | 99.3 | |
| GE 100 | | | 87.3 | 88.8 | 90.9 | 91.1 | 93.5 | 94.2 | 94.4 | 96.4 | 96.8 | 96.8 | 97.6 | 98.0 | 98.9 | 100.0 | |
| GE 0 | | | 87.3 | 88.8 | 90.9 | 91.1 | 93.5 | 94.2 | 94.4 | 96.4 | 96.8 | 96.8 | 97.6 | 98.0 | 98.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LEST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 83.2 | 85.1 | 87.1 | 87.2 | 88.7 | 89.1 | 89.1 | 89.5 | 89.5 | 89.6 | 89.6 | 89.7 | 90.0 | 90.5 |
| GE 4500 | | | 84.5 | 85.7 | 87.8 | 87.9 | 89.4 | 89.8 | 89.8 | 90.1 | 90.1 | 90.3 | 90.3 | 90.4 | 90.7 | 91.2 |
| GE 4000 | | | 85.8 | 87.1 | 89.2 | 89.8 | 91.3 | 92.0 | 92.0 | 92.3 | 92.3 | 92.4 | 92.4 | 92.6 | 93.0 | 93.4 |
| GE 3500 | | | 86.3 | 87.5 | 89.7 | 90.3 | 92.1 | 92.8 | 92.8 | 93.1 | 93.2 | 93.2 | 93.4 | 93.8 | 93.8 | 94.2 |
| GE 3000 | | | 87.3 | 88.6 | 90.9 | 91.6 | 93.5 | 94.3 | 94.3 | 94.3 | 94.7 | 94.8 | 94.8 | 95.0 | 95.4 | 95.8 |
| GE 2500 | | | 87.5 | 88.9 | 91.3 | 92.0 | 94.0 | 94.8 | 94.8 | 95.2 | 95.4 | 95.4 | 95.6 | 95.9 | 95.9 | 96.4 |
| GE 2000 | | | 87.9 | 89.4 | 92.0 | 92.9 | 94.9 | 95.7 | 95.7 | 96.1 | 96.3 | 96.3 | 96.5 | 96.8 | 96.8 | 97.3 |
| GE 1800 | | | 87.9 | 89.4 | 92.0 | 92.9 | 94.9 | 95.7 | 95.7 | 96.1 | 96.3 | 96.3 | 96.5 | 96.8 | 96.8 | 97.3 |
| GE 1500 | | | 87.9 | 89.4 | 92.0 | 92.9 | 95.2 | 96.0 | 96.0 | 96.6 | 96.7 | 96.7 | 96.9 | 97.3 | 97.3 | 97.7 |
| GE 1200 | | | 87.9 | 89.4 | 92.3 | 93.2 | 95.6 | 96.4 | 96.4 | 96.9 | 97.1 | 97.1 | 97.3 | 97.6 | 97.6 | 98.1 |
| GE 1000 | | | 88.2 | 89.7 | 92.5 | 93.5 | 96.0 | 96.8 | 96.8 | 97.4 | 97.5 | 97.5 | 97.7 | 98.1 | 98.1 | 98.5 |
| GE 900 | | | 88.2 | 89.7 | 92.6 | 93.5 | 96.0 | 96.8 | 96.8 | 97.4 | 97.5 | 97.5 | 97.7 | 98.1 | 98.1 | 98.5 |
| GE 800 | | | 88.2 | 89.7 | 92.6 | 93.5 | 96.0 | 96.8 | 96.8 | 97.4 | 97.5 | 97.5 | 97.7 | 98.1 | 98.1 | 98.5 |
| GE 700 | | | 88.2 | 89.7 | 92.6 | 93.5 | 96.0 | 96.8 | 96.8 | 97.4 | 97.5 | 97.5 | 97.7 | 98.1 | 98.1 | 98.5 |
| GE 600 | | | 88.4 | 89.9 | 92.9 | 93.8 | 96.3 | 97.1 | 97.1 | 97.6 | 97.8 | 98.0 | 98.2 | 98.5 | 98.6 | 99.1 |
| GE 500 | | | 88.4 | 89.9 | 93.0 | 93.9 | 96.4 | 97.2 | 97.2 | 97.7 | 97.8 | 98.1 | 98.4 | 98.8 | 98.9 | 99.3 |
| GE 400 | | | 88.4 | 89.9 | 93.0 | 93.9 | 96.4 | 97.2 | 97.2 | 97.7 | 97.8 | 98.1 | 98.4 | 98.8 | 98.9 | 99.3 |
| GE 300 | | | 88.4 | 89.9 | 93.0 | 93.9 | 96.4 | 97.2 | 97.2 | 97.7 | 97.8 | 98.1 | 98.4 | 98.8 | 98.9 | 99.3 |
| GE 200 | | | 88.4 | 89.9 | 93.0 | 93.9 | 96.4 | 97.2 | 97.2 | 97.7 | 97.8 | 98.1 | 98.4 | 98.8 | 98.9 | 99.3 |
| GE 100 | | | 88.4 | 89.9 | 93.0 | 93.9 | 96.4 | 97.2 | 97.2 | 97.7 | 97.8 | 98.1 | 98.4 | 98.8 | 98.9 | 99.3 |
| GE 0 | | | 88.4 | 89.9 | 93.0 | 93.9 | 96.4 | 97.2 | 97.2 | 97.7 | 97.8 | 98.1 | 98.4 | 98.8 | 98.9 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS: 283

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CLIL I | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | 83.4 | 84.7 | 86.3 | 87.2 | 88.3 | 88.9 | 88.9 | 89.0 | 89.4 | 89.4 | 89.5 | 89.6 | 89.6 | 89.6 | 90.2 |
| GE | 4500 | | 83.6 | 85.2 | 86.8 | 87.7 | 88.8 | 89.4 | 89.4 | 89.5 | 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.6 |
| GE | 4000 | | 85.0 | 86.4 | 88.1 | 89.1 | 90.3 | 90.8 | 91.0 | 91.2 | 91.7 | 91.7 | 92.1 | 92.2 | 92.2 | 92.2 | 93.1 |
| GE | 3500 | | 86.3 | 87.8 | 89.5 | 90.5 | 91.9 | 92.4 | 92.5 | 92.8 | 93.3 | 93.3 | 93.7 | 93.8 | 93.8 | 93.8 | 94.7 |
| GE | 3000 | | 86.7 | 88.1 | 89.8 | 90.8 | 92.2 | 92.9 | 93.0 | 93.2 | 93.8 | 93.8 | 94.5 | 94.6 | 94.6 | 94.6 | 95.5 |
| GE | 2500 | | 86.8 | 88.2 | 89.9 | 91.0 | 92.4 | 93.1 | 93.2 | 93.4 | 94.0 | 94.0 | 94.7 | 94.8 | 94.8 | 94.8 | 95.7 |
| GE | 2000 | | 86.8 | 88.6 | 90.5 | 91.6 | 93.4 | 94.2 | 94.3 | 94.7 | 95.2 | 95.4 | 96.0 | 96.2 | 96.2 | 96.2 | 97.1 |
| GE | 1800 | | 86.8 | 88.6 | 90.5 | 91.6 | 93.4 | 94.2 | 94.3 | 94.7 | 95.2 | 95.4 | 96.0 | 96.2 | 96.2 | 96.2 | 97.1 |
| GE | 1500 | | 86.8 | 88.6 | 90.5 | 91.6 | 93.6 | 94.3 | 94.5 | 94.9 | 95.6 | 95.7 | 96.4 | 96.5 | 96.5 | 96.5 | 97.4 |
| GE | 1200 | | 86.8 | 88.6 | 90.5 | 91.9 | 93.8 | 94.6 | 94.7 | 95.1 | 95.8 | 95.9 | 96.6 | 96.7 | 96.7 | 96.7 | 97.6 |
| GE | 1000 | | 87.1 | 88.9 | 90.8 | 92.2 | 94.1 | 94.9 | 95.0 | 95.5 | 96.2 | 96.4 | 97.2 | 97.3 | 97.3 | 97.3 | 98.2 |
| GE | 900 | | 87.1 | 88.9 | 90.8 | 92.2 | 94.1 | 94.9 | 95.0 | 95.5 | 96.2 | 96.4 | 97.2 | 97.3 | 97.3 | 97.3 | 98.2 |
| GE | 800 | | 87.1 | 88.9 | 90.8 | 92.2 | 94.1 | 94.9 | 95.0 | 95.5 | 96.2 | 96.4 | 97.2 | 97.3 | 97.3 | 97.3 | 98.2 |
| GE | 700 | | 87.2 | 89.0 | 91.1 | 92.4 | 94.3 | 95.1 | 95.2 | 95.7 | 96.4 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 98.6 |
| GE | 600 | | 87.3 | 89.1 | 91.2 | 92.5 | 94.5 | 95.2 | 95.4 | 95.8 | 96.5 | 96.7 | 97.6 | 98.0 | 98.0 | 98.0 | 98.9 |
| GE | 500 | | 87.6 | 89.4 | 91.4 | 92.8 | 94.7 | 95.5 | 95.6 | 96.0 | 96.7 | 96.9 | 98.1 | 98.4 | 98.4 | 98.4 | 99.4 |
| GE | 400 | | 87.6 | 89.4 | 91.4 | 92.8 | 94.8 | 95.6 | 95.7 | 96.2 | 96.8 | 97.1 | 98.2 | 98.6 | 98.6 | 98.6 | 99.7 |
| GE | 300 | | 87.6 | 89.4 | 91.4 | 92.8 | 94.8 | 95.6 | 95.7 | 96.2 | 96.9 | 97.2 | 98.3 | 98.8 | 98.8 | 98.8 | 99.8 |
| GE | 200 | | 87.6 | 89.4 | 91.4 | 92.8 | 94.8 | 95.6 | 95.7 | 96.2 | 96.9 | 97.2 | 98.3 | 98.8 | 98.8 | 98.8 | 99.8 |
| GE | 100 | | 87.6 | 89.4 | 91.4 | 92.8 | 94.8 | 95.6 | 95.7 | 96.2 | 96.9 | 97.2 | 98.3 | 98.8 | 98.8 | 98.8 | 100.0 |
| GE | 0 | | 87.6 | 89.4 | 91.4 | 92.8 | 94.8 | 95.6 | 95.7 | 96.2 | 96.9 | 97.2 | 98.3 | 98.8 | 98.8 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 984

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(EST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|----|----|----|----|----|-------|----|-------|-------|----|-----|-----|-----|------|-----|----|
| IN | FEET | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 1 | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | | |
| GE | 5000 | | | | | | | | | | | | | | | | | |
| GE | 4500 | | | | | | | | | | | | | | | | | |
| GE | 4000 | | | | | | | | | | | | | | | | | |
| GE | 3500 | | | | | | | | | | | | | | | | | |
| GE | 3000 | | | | | | | | | | | | | | | | | |
| GE | 2500 | | | | | | | | | | | | | | | | | |
| GE | 2000 | | | | | | | | | | | | | | | | | |
| GE | 1800 | | | | | | | | | | | | | | | | | |
| GE | 1500 | | | | | | | | | | | | | | | | | |
| GE | 1200 | | | | | | | | | | | | | | | | | |
| GE | 1000 | | | | | | | | | | | | | | | | | |
| GE | 900 | | | | | | | | | | | | | | | | | |
| GE | 800 | | | | | | | | | | | | | | | | | |
| GE | 700 | | | | | | | | | | | | | | | | | |
| GE | 600 | | | | | | | | | | | | | | | | | |
| GE | 500 | | | | | | | | | | | | | | | | | |
| GE | 400 | | | | | | | | | | | | | | | | | |
| GE | 300 | | | | | | | | | | | | | | | | | |
| GE | 200 | | | | | | | | | | | | | | | | | |
| GE | 100 | | | | | | | | | | | | | | | | | |
| GE | 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 680

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 95.8 | 86.4 | 87.6 | 87.6 | 89.3 | 90.0 | 90.2 | 90.7 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.3 |
| GE 4500 | | | 85.8 | 86.4 | 87.6 | 87.6 | 89.3 | 90.0 | 90.2 | 90.7 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.3 |
| GE 4000 | | | 86.6 | 87.2 | 89.2 | 89.2 | 91.0 | 92.0 | 92.3 | 92.7 | 92.9 | 93.1 | 93.1 | 93.1 | 93.3 | 93.5 |
| GE 3500 | | | 86.7 | 87.4 | 89.3 | 89.3 | 91.2 | 92.3 | 92.7 | 93.2 | 93.4 | 93.5 | 93.5 | 93.5 | 93.7 | 94.0 |
| GE 3000 | | | 86.8 | 87.8 | 89.9 | 89.9 | 91.9 | 93.2 | 93.6 | 94.3 | 94.5 | 94.6 | 94.8 | 94.8 | 95.0 | 95.2 |
| GE 2500 | | | 87.4 | 88.6 | 90.7 | 90.7 | 92.7 | 94.0 | 94.4 | 95.1 | 95.3 | 95.4 | 95.6 | 95.6 | 95.8 | 96.0 |
| GE 2000 | | | 87.9 | 89.2 | 91.2 | 91.2 | 93.3 | 94.6 | 95.3 | 96.0 | 96.2 | 96.4 | 96.5 | 96.5 | 96.7 | 96.9 |
| GE 1800 | | | 88.0 | 89.3 | 91.3 | 91.3 | 93.4 | 94.8 | 95.4 | 96.1 | 96.4 | 96.5 | 96.6 | 96.6 | 96.8 | 97.0 |
| GE 1500 | | | 88.0 | 89.3 | 91.3 | 91.5 | 93.6 | 95.1 | 95.8 | 96.6 | 96.8 | 96.9 | 97.2 | 97.2 | 97.4 | 97.6 |
| GE 1200 | | | 88.2 | 89.4 | 91.5 | 91.6 | 93.7 | 95.2 | 95.9 | 96.7 | 96.9 | 97.0 | 97.3 | 97.3 | 97.5 | 97.7 |
| GE 1000 | | | 88.2 | 89.4 | 91.5 | 91.8 | 94.0 | 95.4 | 96.1 | 96.9 | 97.2 | 97.3 | 97.5 | 97.5 | 97.7 | 97.9 |
| GE 900 | | | 88.4 | 89.5 | 91.7 | 92.1 | 94.3 | 95.8 | 96.6 | 97.4 | 97.6 | 97.7 | 97.9 | 97.9 | 98.2 | 98.4 |
| GE 800 | | | 88.6 | 89.9 | 91.9 | 92.4 | 94.5 | 96.0 | 96.8 | 97.6 | 97.8 | 97.9 | 98.2 | 98.2 | 98.4 | 98.7 |
| GE 700 | | | 88.7 | 90.0 | 92.0 | 92.5 | 94.6 | 96.1 | 96.9 | 97.7 | 97.9 | 98.1 | 98.3 | 98.3 | 98.5 | 98.9 |
| GE 600 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 500 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 400 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 300 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 200 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 100 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 99.4 |
| GE 0 | | | 88.8 | 90.1 | 92.1 | 92.6 | 94.8 | 96.2 | 97.0 | 97.8 | 98.1 | 98.2 | 98.4 | 98.4 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 978

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.1 | 86.0 | 87.1 | 87.3 | 88.5 | 89.3 | 89.5 | 90.0 | 90.2 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | |
| GE 4500 | | | 84.2 | 86.1 | 87.3 | 87.4 | 88.6 | 89.5 | 89.6 | 90.3 | 90.4 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | |
| GE 4000 | | | 85.5 | 87.5 | 89.5 | 89.6 | 91.0 | 92.0 | 92.1 | 92.8 | 93.0 | 93.0 | 93.3 | 93.4 | 93.4 | 93.4 | |
| GE 3500 | | | 85.6 | 87.6 | 89.6 | 89.7 | 91.1 | 92.1 | 92.2 | 92.9 | 93.5 | 93.5 | 93.7 | 93.9 | 93.9 | 93.9 | |
| GE 3000 | | | 86.0 | 87.9 | 89.9 | 90.2 | 91.5 | 92.6 | 92.7 | 93.5 | 94.3 | 94.3 | 94.7 | 94.8 | 94.8 | 94.8 | |
| GE 2500 | | | 86.0 | 87.9 | 90.4 | 90.6 | 92.0 | 93.0 | 93.2 | 94.0 | 94.8 | 94.8 | 95.1 | 95.2 | 95.2 | 95.2 | |
| GE 2000 | | | 87.0 | 89.0 | 91.5 | 92.0 | 93.4 | 94.4 | 94.6 | 95.4 | 96.2 | 96.2 | 96.5 | 96.6 | 96.6 | 96.6 | |
| GE 1800 | | | 87.0 | 89.0 | 91.5 | 92.0 | 93.4 | 94.4 | 94.6 | 95.4 | 96.2 | 96.2 | 96.5 | 96.6 | 96.6 | 96.6 | |
| GE 1500 | | | 87.1 | 89.1 | 91.8 | 92.4 | 93.7 | 94.8 | 94.9 | 95.8 | 96.6 | 96.6 | 97.3 | 97.5 | 97.5 | 97.5 | |
| GE 1200 | | | 87.4 | 89.3 | 92.0 | 92.6 | 94.0 | 95.0 | 95.1 | 96.1 | 96.9 | 96.9 | 97.6 | 97.7 | 97.7 | 97.7 | |
| GE 1000 | | | 87.4 | 89.3 | 92.0 | 92.6 | 94.0 | 95.0 | 95.1 | 96.1 | 96.9 | 96.9 | 97.6 | 97.7 | 97.7 | 97.7 | |
| GE 900 | | | 87.4 | 89.3 | 92.0 | 92.6 | 94.0 | 95.0 | 95.1 | 96.1 | 96.9 | 96.9 | 97.6 | 97.7 | 97.7 | 97.7 | |
| GE 800 | | | 87.7 | 89.7 | 92.4 | 92.9 | 94.3 | 95.4 | 95.5 | 96.4 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 98.0 | |
| GE 700 | | | 87.7 | 89.7 | 92.4 | 92.9 | 94.3 | 95.4 | 95.5 | 96.4 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 98.0 | |
| GE 600 | | | 87.7 | 89.7 | 92.4 | 92.9 | 94.3 | 95.4 | 95.5 | 96.4 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 98.0 | |
| GE 500 | | | 87.7 | 89.7 | 92.5 | 93.0 | 94.4 | 95.5 | 95.6 | 96.5 | 97.3 | 97.3 | 98.0 | 98.1 | 98.1 | 98.1 | |
| GE 400 | | | 87.7 | 89.7 | 92.6 | 93.2 | 94.6 | 95.6 | 95.7 | 96.6 | 97.5 | 97.5 | 98.3 | 98.4 | 98.4 | 98.4 | |
| GE 300 | | | 87.7 | 89.7 | 92.7 | 93.3 | 94.8 | 95.8 | 95.9 | 96.9 | 97.7 | 97.7 | 98.5 | 98.6 | 98.6 | 98.6 | |
| GE 200 | | | 87.8 | 89.8 | 92.8 | 93.4 | 94.9 | 95.9 | 96.1 | 97.1 | 97.9 | 97.9 | 98.7 | 98.8 | 99.0 | 99.3 | |
| GE 100 | | | 87.8 | 89.8 | 92.8 | 93.4 | 94.9 | 95.9 | 96.1 | 97.1 | 97.9 | 97.9 | 98.7 | 98.8 | 99.0 | 99.7 | |
| GE 0 | | | 87.8 | 89.8 | 92.8 | 93.4 | 94.9 | 95.9 | 96.1 | 97.1 | 97.9 | 97.9 | 98.7 | 98.8 | 99.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 863

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|----|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.3 | 85.6 | 87.0 | 87.3 | 88.7 | 89.3 | 89.4 | 89.9 | 90.1 | 90.1 | 90.3 | 90.4 | 90.5 | 90.7 | |
| GE 4500 | | | 84.5 | 85.8 | 87.3 | 87.6 | 88.9 | 89.5 | 89.7 | 90.2 | 90.4 | 90.4 | 90.6 | 90.7 | 90.8 | 91.1 | |
| GE 4000 | | | 85.8 | 87.2 | 88.9 | 89.4 | 90.8 | 91.5 | 91.7 | 92.3 | 92.5 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | |
| GE 3500 | | | 86.3 | 87.7 | 89.5 | 89.9 | 91.5 | 92.2 | 92.4 | 93.0 | 93.3 | 93.3 | 93.5 | 93.7 | 93.9 | 94.2 | |
| GE 3000 | | | 86.7 | 88.2 | 90.1 | 90.6 | 92.2 | 93.0 | 93.2 | 93.9 | 94.2 | 94.2 | 94.5 | 94.7 | 94.9 | 95.2 | |
| GE 2500 | | | 86.9 | 88.5 | 90.5 | 91.0 | 92.6 | 93.4 | 93.7 | 94.3 | 94.7 | 94.7 | 95.0 | 95.2 | 95.4 | 95.6 | |
| GE 2000 | | | 87.4 | 89.0 | 91.1 | 91.7 | 93.4 | 94.3 | 94.5 | 95.2 | 95.6 | 95.6 | 95.9 | 96.1 | 96.3 | 96.6 | |
| GE 1800 | | | 87.4 | 89.0 | 91.1 | 91.7 | 93.4 | 94.3 | 94.6 | 95.3 | 95.6 | 95.7 | 96.0 | 96.2 | 96.4 | 96.6 | |
| GE 1500 | | | 87.5 | 89.1 | 91.2 | 91.8 | 93.7 | 94.6 | 94.9 | 95.7 | 96.1 | 96.1 | 96.5 | 96.7 | 96.9 | 97.2 | |
| GE 1200 | | | 87.6 | 89.2 | 91.4 | 92.0 | 93.9 | 94.8 | 95.1 | 96.0 | 96.3 | 96.3 | 96.7 | 96.9 | 97.1 | 97.4 | |
| GE 1000 | | | 87.7 | 89.3 | 91.5 | 92.2 | 94.2 | 95.1 | 95.4 | 96.3 | 96.6 | 96.7 | 97.1 | 97.3 | 97.5 | 97.8 | |
| GE 900 | | | 87.7 | 89.3 | 91.5 | 92.3 | 94.2 | 95.2 | 95.5 | 96.4 | 96.7 | 96.8 | 97.2 | 97.4 | 97.6 | 97.9 | |
| GE 800 | | | 87.8 | 89.4 | 91.6 | 92.3 | 94.3 | 95.3 | 95.6 | 96.5 | 96.9 | 96.9 | 97.5 | 97.6 | 97.9 | 98.2 | |
| GE 700 | | | 87.8 | 89.5 | 91.7 | 92.4 | 94.4 | 95.3 | 95.6 | 96.6 | 96.9 | 97.0 | 97.6 | 97.7 | 98.0 | 98.3 | |
| GE 600 | | | 87.9 | 89.6 | 91.8 | 92.5 | 94.5 | 95.4 | 95.7 | 96.7 | 97.1 | 97.2 | 97.7 | 97.9 | 98.2 | 98.5 | |
| GE 500 | | | 88.0 | 89.6 | 91.9 | 92.6 | 94.6 | 95.5 | 95.8 | 96.8 | 97.2 | 97.3 | 97.9 | 98.1 | 98.4 | 98.7 | |
| GE 400 | | | 88.0 | 89.6 | 91.9 | 92.6 | 94.6 | 95.6 | 95.9 | 96.9 | 97.2 | 97.3 | 98.0 | 98.2 | 98.5 | 98.8 | |
| GE 300 | | | 88.0 | 89.6 | 91.9 | 92.7 | 94.7 | 95.7 | 96.0 | 97.0 | 97.4 | 97.5 | 98.1 | 98.4 | 98.6 | 99.0 | |
| GE 200 | | | 88.0 | 89.6 | 91.9 | 92.7 | 94.7 | 95.7 | 96.0 | 97.0 | 97.4 | 97.5 | 98.2 | 98.5 | 98.8 | 99.4 | |
| GE 100 | | | 88.0 | 89.6 | 91.9 | 92.7 | 94.7 | 95.7 | 96.0 | 97.0 | 97.4 | 97.5 | 98.2 | 98.5 | 98.9 | 99.8 | |
| GE 0 | | | 88.0 | 89.6 | 91.9 | 92.7 | 94.7 | 95.7 | 96.0 | 97.0 | 97.4 | 97.5 | 98.3 | 98.5 | 98.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 7022

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS (LST): 0700-0200

| CEILING | | | | | | | | | | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|----------|----|----|----|----|----|----|-------|----|-------|-----------------------------|----|-----|-----|-----|------|-----|----|----|----|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 914

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| IN | FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1600 | | | | | | | | | | | | | | | | | |
| GE 1400 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
| IN | FE | GE | GE | GE | GE | GE | GE | GE | GF | GE | GE | GE | FE | GE | GE | GE | GE |
| FELT | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| | | | | | | | | | | | | | | | | | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 73.3 | 73.7 | 73.8 | 74.3 | 74.4 | 74.5 | 74.5 | 75.3 | 75.3 | 75.3 | 75.3 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 4500 | | | 73.7 | 74.0 | 74.1 | 74.6 | 74.8 | 74.9 | 74.9 | 75.6 | 75.6 | 75.6 | 75.6 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 4000 | | | 81.3 | 81.7 | 81.9 | 82.4 | 82.5 | 82.6 | 82.6 | 83.4 | 83.4 | 83.4 | 83.4 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 3500 | | | 83.7 | 84.2 | 84.4 | 84.9 | 85.4 | 85.5 | 85.5 | 86.2 | 86.2 | 86.2 | 86.2 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 3000 | | | 86.1 | 86.6 | 86.8 | 87.3 | 87.9 | 88.0 | 88.0 | 88.7 | 88.7 | 88.7 | 88.7 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 2500 | | | 87.2 | 87.7 | 88.0 | 88.5 | 89.1 | 89.2 | 89.2 | 89.9 | 89.9 | 89.9 | 89.9 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 2000 | | | 88.9 | 89.4 | 89.9 | 90.6 | 91.4 | 91.5 | 91.5 | 92.2 | 92.2 | 92.2 | 92.2 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 1800 | | | 89.1 | 89.6 | 90.2 | 90.8 | 91.6 | 91.7 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 1500 | | | 90.1 | 90.6 | 91.1 | 91.8 | 92.6 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 1200 | | | 91.3 | 91.9 | 92.5 | 93.1 | 93.9 | 94.0 | 94.0 | 94.8 | 94.8 | 94.8 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 1000 | | | 91.7 | 92.3 | 92.9 | 93.6 | 94.3 | 94.4 | 94.5 | 95.5 | 95.5 | 95.5 | 95.5 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 900 | | | 91.7 | 92.3 | 92.9 | 93.6 | 94.3 | 94.4 | 94.5 | 95.5 | 95.5 | 95.5 | 95.5 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 800 | | | 92.0 | 92.7 | 93.2 | 93.9 | 94.6 | 94.6 | 94.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 700 | | | 92.3 | 93.0 | 93.7 | 94.3 | 95.2 | 95.3 | 95.4 | 96.5 | 96.5 | 96.5 | 96.5 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 600 | | | 92.7 | 93.3 | 94.0 | 94.6 | 95.5 | 95.6 | 95.7 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 500 | | | 93.0 | 93.7 | 94.3 | 95.0 | 95.8 | 96.0 | 96.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 400 | | | 93.1 | 93.8 | 94.4 | 95.2 | 96.1 | 96.2 | 96.3 | 97.4 | 97.4 | 97.5 | 97.5 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 300 | | | 93.2 | 93.9 | 94.6 | 95.4 | 96.4 | 96.5 | 96.6 | 97.7 | 97.7 | 97.8 | 97.8 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 200 | | | 93.2 | 93.9 | 94.6 | 95.4 | 96.5 | 96.6 | 96.8 | 97.9 | 97.9 | 98.1 | 98.1 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 100 | | | 93.2 | 94.0 | 94.9 | 95.5 | 96.6 | 96.9 | 97.0 | 98.3 | 98.4 | 98.5 | 98.5 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 0 | | | 93.2 | 94.0 | 94.9 | 95.5 | 96.6 | 96.9 | 97.0 | 98.3 | 98.4 | 98.5 | 98.5 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|----|----|----|----|----|-------|----|-------|-------|----|-----|-----|-----|------|-----|----|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | | |
| GE | 5000 | | | | | | | | | | | | | | | | | |
| GE | 4500 | | | | | | | | | | | | | | | | | |
| GE | 4000 | | | | | | | | | | | | | | | | | |
| GE | 3500 | | | | | | | | | | | | | | | | | |
| GE | 3000 | | | | | | | | | | | | | | | | | |
| GE | 2500 | | | | | | | | | | | | | | | | | |
| GE | 2000 | | | | | | | | | | | | | | | | | |
| GE | 1800 | | | | | | | | | | | | | | | | | |
| GE | 1500 | | | | | | | | | | | | | | | | | |
| GE | 1200 | | | | | | | | | | | | | | | | | |
| GE | 1000 | | | | | | | | | | | | | | | | | |
| GE | 900 | | | | | | | | | | | | | | | | | |
| GE | 800 | | | | | | | | | | | | | | | | | |
| GE | 700 | | | | | | | | | | | | | | | | | |
| GE | 600 | | | | | | | | | | | | | | | | | |
| GE | 500 | | | | | | | | | | | | | | | | | |
| GE | 400 | | | | | | | | | | | | | | | | | |
| GE | 300 | | | | | | | | | | | | | | | | | |
| GE | 200 | | | | | | | | | | | | | | | | | |
| GE | 100 | | | | | | | | | | | | | | | | | |
| GE | 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS (LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|--|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1600 | | | | | | | | | | | | | | | | | |
| GE 1400 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 91P

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------|--|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|--|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CLIL I | | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 214

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CELI | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 74.1 | 74.8 | 75.9 | 76.2 | 76.3 | 76.3 | 76.4 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 77.1 | 77.1 |
| GE 4500 | | | 74.5 | 75.2 | 76.3 | 76.6 | 76.7 | 76.7 | 76.8 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 |
| GE 4000 | | | 78.0 | 78.7 | 79.8 | 80.1 | 80.2 | 80.2 | 80.4 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 81.0 | 81.0 |
| GE 3500 | | | 79.6 | 80.5 | 81.6 | 82.0 | 82.1 | 82.1 | 82.2 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.9 | 82.9 |
| GE 3000 | | | 83.6 | 84.5 | 85.6 | 86.1 | 86.2 | 86.2 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.9 | 86.9 |
| GE 2500 | | | | 85.5 | 86.5 | 87.7 | 88.1 | 88.4 | 88.4 | 88.5 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 |
| GE 2000 | | | | 87.3 | 88.5 | 90.0 | 90.5 | 90.7 | 90.7 | 90.9 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 |
| GE 1800 | | | | 87.7 | 88.9 | 90.5 | 90.9 | 91.1 | 91.1 | 91.3 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 |
| GE 1500 | | | | 89.4 | 90.7 | 92.3 | 92.9 | 93.3 | 93.3 | 93.5 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 |
| GE 1200 | | | | 91.0 | 91.3 | 93.1 | 93.6 | 94.1 | 94.1 | 94.3 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 95.0 | 95.0 |
| GE 1000 | | | | 90.6 | 91.9 | 93.6 | 94.2 | 94.8 | 94.8 | 95.1 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | 96.0 | 96.0 |
| GE 900 | | | | 90.6 | 91.9 | 93.6 | 94.2 | 94.8 | 94.8 | 95.1 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | 96.0 | 96.0 |
| GE 800 | | | | 90.6 | 91.9 | 93.6 | 94.2 | 94.8 | 94.8 | 95.1 | 95.7 | 95.7 | 95.7 | 96.0 | 96.0 | 96.5 | 96.5 |
| GE 700 | | | | 90.7 | 92.0 | 93.7 | 94.3 | 95.0 | 95.0 | 95.2 | 95.8 | 95.8 | 95.8 | 96.2 | 96.2 | 96.6 | 96.6 |
| GE 600 | | | | 91.0 | 92.3 | 94.1 | 94.6 | 95.3 | 95.3 | 95.5 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.9 | 96.9 |
| GE 500 | | | | 91.1 | 92.4 | 94.3 | 94.8 | 95.5 | 95.7 | 95.9 | 96.6 | 96.6 | 96.6 | 96.9 | 96.9 | 97.4 | 97.4 |
| GE 400 | | | | 91.8 | 93.1 | 95.2 | 95.7 | 96.4 | 96.6 | 96.8 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 98.2 | 98.2 |
| GE 300 | | | | 92.0 | 93.3 | 95.4 | 95.9 | 96.6 | 96.8 | 97.0 | 97.7 | 97.7 | 97.7 | 98.1 | 98.2 | 98.9 | 98.9 |
| GE 200 | | | | 92.1 | 93.3 | 95.4 | 96.0 | 96.8 | 97.0 | 97.3 | 98.0 | 98.1 | 98.1 | 98.6 | 98.7 | 99.3 | 99.3 |
| GE 100 | | | | 92.0 | 93.3 | 95.4 | 96.0 | 96.8 | 97.0 | 97.3 | 98.0 | 98.1 | 98.1 | 98.6 | 98.8 | 99.7 | 99.7 |
| GE 0 | | | | 92.0 | 93.3 | 95.4 | 96.0 | 96.8 | 97.0 | 97.3 | 98.0 | 98.1 | 98.1 | 98.7 | 98.9 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|---------|-----------|-----------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1/2 | GE 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 |
| NO CEIL | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | |
| GE 5000 | | | 74.0 | 75.4 | 75.9 | 76.1 | 76.2 | 76.5 | 76.5 | 76.7 | 76.9 | 76.5 | 77.4 | 77.4 | 77.4 |
| GE 4500 | | | 74.7 | 76.0 | 76.6 | 76.8 | 76.9 | 77.1 | 77.1 | 77.4 | 77.5 | 77.5 | 78.3 | 78.3 | 78.3 |
| GE 4000 | | | 79.5 | 79.9 | 80.5 | 80.7 | 80.8 | 81.0 | 81.0 | 81.2 | 81.4 | 81.4 | 81.7 | 81.9 | 81.9 |
| GE 3500 | | | 80.5 | 82.1 | 82.7 | 82.9 | 83.0 | 83.2 | 83.2 | 83.5 | 83.6 | 83.6 | 84.1 | 84.1 | 84.1 |
| GE 3000 | | | 82.9 | 84.6 | 85.1 | 85.3 | 85.5 | 85.7 | 85.7 | 85.9 | 86.0 | 86.0 | 86.6 | 86.6 | 86.6 |
| GE 2500 | | | 84.6 | 86.2 | 86.8 | 87.0 | 87.1 | 87.3 | 87.3 | 87.6 | 87.7 | 87.7 | 88.2 | 88.2 | 88.2 |
| GE 2000 | | | 85.7 | 87.8 | 88.5 | 88.7 | 88.8 | 89.0 | 89.0 | 89.5 | 89.6 | 89.6 | 90.1 | 90.1 | 90.1 |
| GE 1500 | | | 88.6 | 90.3 | 91.0 | 91.2 | 91.3 | 91.6 | 91.8 | 92.0 | 92.1 | 92.1 | 92.7 | 92.7 | 92.7 |
| GE 1000 | | | 89.7 | 91.7 | 92.5 | 92.7 | 92.8 | 93.1 | 93.2 | 93.5 | 93.6 | 93.6 | 94.1 | 94.1 | 94.1 |
| GE 700 | | | 89.9 | 91.9 | 92.8 | 93.0 | 93.1 | 93.3 | 93.6 | 93.8 | 93.9 | 93.9 | 94.5 | 94.5 | 94.5 |
| GE 500 | | | 93.2 | 92.2 | 93.1 | 93.3 | 93.8 | 94.0 | 94.2 | 94.6 | 94.7 | 94.7 | 95.2 | 95.2 | 95.2 |
| GE 400 | | | 93.2 | 92.2 | 93.1 | 93.3 | 93.8 | 94.0 | 94.2 | 94.6 | 94.7 | 94.7 | 95.2 | 95.2 | 95.2 |
| GE 300 | | | 90.7 | 92.5 | 93.3 | 93.6 | 94.0 | 94.3 | 94.6 | 94.9 | 95.0 | 95.0 | 95.6 | 95.6 | 95.6 |
| GE 200 | | | 90.8 | 92.8 | 93.7 | 93.9 | 94.3 | 94.7 | 94.9 | 95.2 | 95.3 | 95.3 | 95.9 | 95.9 | 95.9 |
| GE 100 | | | 90.9 | 92.9 | 93.8 | 94.0 | 94.5 | 95.0 | 95.2 | 95.6 | 95.7 | 95.7 | 96.2 | 96.2 | 96.2 |
| GE 50 | | | 91.1 | 93.2 | 94.1 | 94.3 | 94.7 | 95.2 | 95.7 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 |
| GE 40 | | | 91.5 | 93.5 | 94.5 | 94.7 | 95.1 | 95.8 | 96.0 | 96.3 | 96.4 | 96.4 | 97.0 | 97.0 | 97.0 |
| GE 30 | | | 91.8 | 93.8 | 94.9 | 95.1 | 95.4 | 96.1 | 96.3 | 96.7 | 96.8 | 96.8 | 97.3 | 97.3 | 97.3 |
| GE 20 | | | 92.2 | 94.2 | 95.2 | 95.4 | 95.9 | 96.6 | 96.8 | 97.1 | 97.2 | 97.2 | 97.7 | 97.7 | 97.7 |
| GE 10 | | | 92.2 | 94.2 | 95.2 | 95.4 | 95.9 | 96.6 | 96.8 | 97.1 | 97.2 | 97.2 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS: 961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULI AB QL

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS: 01-23 ALT

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | |
|---------|------|-----------------------------|------|------|------|------|------|----------|------|--------|--------|--------|--------|---------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 1/16 | GE 0 |
| | | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 1 | 3/4 | 1/2 | 1/4 | 1/8 | 1/16 | 0 |

NO CELT

GE 20000
GE 18000
GE 16000
GE 14000
GE 12000

GE 10000
GE 8000
GE 6000
GE 4000
GE 2000

GE 1000
GE 800
GE 600
GE 400
GE 200

GE 100
GE 50
GE 25
GE 10
GE 5

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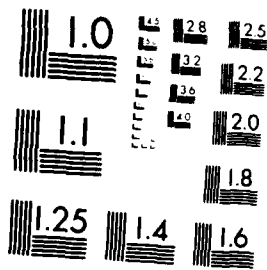
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THULE AB GREENLAND REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION... (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 12 MAY 87
USAFETAC/DS-87/824 F/C 4/2

3/2

UNCLASSIFIED

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042920 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|---|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GF 20000 | | | | | | | | | | | | | | | | |
| GF 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GF 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | 62.9 | 63.8 | 64.3 | 64.4 | 64.7 | 65.0 | 65.1 | 65.4 | 65.5 | 65.5 | 66.2 | 66.3 | 66.7 | 66.8 | |
| GE 4500 | | 63.5 | 64.4 | 64.9 | 65.0 | 65.3 | 65.5 | 65.6 | 66.0 | 66.1 | 66.1 | 66.8 | 66.9 | 67.2 | 67.3 | |
| GE 4000 | | 68.8 | 69.7 | 70.2 | 70.3 | 70.8 | 71.2 | 71.3 | 71.6 | 71.8 | 71.8 | 72.4 | 72.5 | 72.9 | 73.0 | |
| GE 3500 | | 71.5 | 72.4 | 72.9 | 73.0 | 73.6 | 73.9 | 74.0 | 74.4 | 74.5 | 74.5 | 75.1 | 75.3 | 75.6 | 75.7 | |
| GF 3000 | | 73.4 | 74.5 | 75.0 | 75.3 | 75.8 | 76.2 | 76.3 | 76.7 | 76.8 | 76.8 | 77.5 | 77.6 | 78.1 | 78.2 | |
| GE 2500 | | 74.8 | 75.9 | 76.6 | 76.9 | 77.5 | 78.1 | 78.2 | 78.6 | 78.8 | 78.8 | 79.4 | 79.5 | 80.0 | 80.1 | |
| GF 2000 | | 75.9 | 77.3 | 78.0 | 78.3 | 78.9 | 79.5 | 79.7 | 80.1 | 80.2 | 80.2 | 80.9 | 81.0 | 81.5 | 81.6 | |
| GE 1800 | | 76.0 | 77.4 | 78.1 | 78.4 | 79.0 | 79.7 | 79.8 | 80.2 | 80.3 | 80.3 | 81.0 | 81.1 | 81.6 | 81.7 | |
| GE 1500 | | 76.6 | 78.0 | 78.6 | 79.0 | 79.8 | 80.5 | 80.6 | 81.0 | 81.1 | 81.1 | 81.8 | 81.9 | 82.4 | 82.5 | |
| GE 1200 | | 76.8 | 78.4 | 79.1 | 79.4 | 80.3 | 81.0 | 81.1 | 81.6 | 81.7 | 81.7 | 82.4 | 82.5 | 82.9 | 83.1 | |
| GE 1000 | | 77.5 | 79.1 | 79.9 | 80.1 | 81.6 | 82.3 | 82.4 | 82.8 | 82.9 | 82.9 | 83.6 | 83.7 | 84.2 | 84.3 | |
| GF 900 | | 78.2 | 79.8 | 80.5 | 80.8 | 82.3 | 82.9 | 83.1 | 83.5 | 83.6 | 83.6 | 84.3 | 84.4 | 84.9 | 85.0 | |
| GE 800 | | 78.6 | 80.2 | 80.9 | 81.2 | 82.7 | 83.4 | 83.5 | 84.1 | 84.2 | 84.2 | 84.9 | 85.0 | 85.4 | 85.5 | |
| GE 700 | | 79.4 | 81.0 | 81.7 | 82.0 | 83.5 | 84.2 | 84.3 | 84.9 | 85.0 | 85.0 | 85.6 | 85.8 | 86.2 | 86.3 | |
| GF 600 | | 79.4 | 81.0 | 81.7 | 82.6 | 84.1 | 85.0 | 85.1 | 85.9 | 86.0 | 86.0 | 86.7 | 86.9 | 87.3 | 87.5 | |
| GE 500 | | 80.1 | 81.7 | 82.6 | 83.5 | 85.2 | 86.1 | 86.2 | 87.0 | 87.1 | 87.1 | 88.4 | 88.6 | 89.0 | 89.2 | |
| GF 400 | | 80.3 | 82.0 | 82.9 | 84.5 | 86.4 | 87.6 | 87.8 | 88.7 | 89.2 | 89.2 | 90.5 | 90.7 | 91.5 | 91.6 | |
| GE 300 | | 80.6 | 82.3 | 83.6 | 85.2 | 87.1 | 88.2 | 88.8 | 90.3 | 90.7 | 90.7 | 92.2 | 92.4 | 93.9 | 94.1 | |
| GE 200 | | 80.9 | 82.6 | 84.0 | 85.5 | 87.5 | 88.6 | 89.6 | 91.4 | 91.9 | 91.9 | 93.6 | 93.8 | 97.2 | 97.6 | |
| GF 100 | | 80.9 | 82.6 | 84.0 | 85.6 | 87.6 | 88.8 | 89.8 | 91.5 | 92.2 | 92.2 | 94.6 | 94.9 | 99.2 | 99.7 | |
| GF 0 | | 80.9 | 82.6 | 84.0 | 85.8 | 87.7 | 88.9 | 89.9 | 91.9 | 92.3 | 92.3 | 94.7 | 95.1 | 99.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | 60.9 | 61.9 | 62.0 | 62.3 | 62.4 | 62.8 | 62.8 | 63.3 | 63.5 | 63.5 | 63.9 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE | 4500 | 61.4 | 62.4 | 62.5 | 62.9 | 63.0 | 63.3 | 63.3 | 63.9 | 64.1 | 64.1 | 64.4 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE | 4000 | 67.7 | 68.8 | 68.9 | 69.4 | 69.5 | 69.8 | 69.8 | 70.4 | 70.6 | 70.6 | 70.9 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE | 3500 | 70.1 | 71.3 | 71.4 | 71.9 | 72.0 | 72.4 | 72.4 | 72.9 | 73.2 | 73.2 | 73.5 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE | 3000 | 71.5 | 72.7 | 73.3 | 73.8 | 74.0 | 74.4 | 74.4 | 74.9 | 75.2 | 75.2 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE | 2500 | 72.9 | 74.2 | 75.1 | 75.6 | 75.8 | 76.2 | 76.2 | 76.7 | 77.0 | 77.0 | 77.3 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE | 2000 | 73.5 | 74.8 | 75.7 | 76.3 | 76.5 | 77.2 | 77.2 | 77.7 | 78.0 | 78.0 | 78.3 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE | 1800 | 73.6 | 74.9 | 75.8 | 76.4 | 76.6 | 77.3 | 77.3 | 77.9 | 78.1 | 78.1 | 78.4 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE | 1500 | 74.5 | 75.8 | 76.7 | 77.3 | 77.7 | 78.4 | 78.4 | 79.0 | 79.2 | 79.2 | 79.5 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE | 1200 | 74.6 | 76.0 | 76.8 | 77.4 | 77.9 | 78.5 | 78.5 | 79.1 | 79.3 | 79.3 | 79.6 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE | 1000 | 75.5 | 76.8 | 77.7 | 78.3 | 79.1 | 79.8 | 79.8 | 80.3 | 80.5 | 80.5 | 81.0 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE | 900 | 76.1 | 77.4 | 78.3 | 78.9 | 79.6 | 80.3 | 80.3 | 80.9 | 81.1 | 81.1 | 81.5 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE | 800 | 77.3 | 78.6 | 79.5 | 80.1 | 80.9 | 81.7 | 81.7 | 82.2 | 82.4 | 82.4 | 83.1 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE | 700 | 78.1 | 79.4 | 80.3 | 81.0 | 81.8 | 82.7 | 82.7 | 83.4 | 83.7 | 83.7 | 84.3 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE | 600 | 78.9 | 80.2 | 81.1 | 82.0 | 82.8 | 83.9 | 83.9 | 84.8 | 85.2 | 85.2 | 85.9 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE | 500 | 79.3 | 80.6 | 81.8 | 82.8 | 83.8 | 84.9 | 84.9 | 85.8 | 86.5 | 86.5 | 87.6 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE | 400 | 80.2 | 81.8 | 83.0 | 84.0 | 85.1 | 86.2 | 86.2 | 87.4 | 88.0 | 88.0 | 89.5 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE | 300 | 80.9 | 82.4 | 84.2 | 85.2 | 86.7 | 87.8 | 87.8 | 89.6 | 90.6 | 90.6 | 92.8 | 93.1 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE | 200 | 80.9 | 82.6 | 84.3 | 85.3 | 87.0 | 88.1 | 88.6 | 90.6 | 91.6 | 91.6 | 94.9 | 95.1 | 97.7 | 97.9 | 97.9 | 97.9 |
| GE | 100 | 80.9 | 82.7 | 84.5 | 85.5 | 87.2 | 88.4 | 88.8 | 90.9 | 91.9 | 91.9 | 95.7 | 96.2 | 99.4 | 99.7 | 99.7 | 99.7 |
| GE | 0 | 80.9 | 82.7 | 84.5 | 85.5 | 87.2 | 88.4 | 88.8 | 90.9 | 91.9 | 91.9 | 96.0 | 96.4 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 58.9 | 60.4 | 61.1 | 61.4 | 61.9 | 62.2 | 62.4 | 62.5 | 62.9 | 62.9 | 63.4 | 63.8 | 64.0 | 64.0 |
| GE 4500 | | | 59.7 | 61.2 | 61.9 | 62.2 | 62.7 | 63.0 | 63.2 | 63.3 | 63.7 | 63.7 | 64.2 | 64.6 | 64.8 | 64.8 |
| GE 4000 | | | 65.6 | 67.0 | 67.7 | 68.1 | 68.5 | 68.8 | 69.1 | 69.3 | 69.6 | 69.6 | 70.2 | 70.6 | 70.9 | 70.9 |
| GE 3500 | | | 67.6 | 69.2 | 70.0 | 70.3 | 70.8 | 71.1 | 71.3 | 71.5 | 71.9 | 71.9 | 72.4 | 72.9 | 73.1 | 73.1 |
| GE 3000 | | | 70.0 | 71.5 | 72.6 | 73.0 | 73.6 | 73.9 | 74.1 | 74.4 | 74.7 | 74.7 | 75.3 | 75.7 | 75.9 | 75.9 |
| GE 2500 | | | 71.7 | 73.2 | 74.5 | 74.9 | 75.6 | 75.9 | 76.2 | 76.4 | 76.7 | 76.7 | 77.3 | 77.7 | 78.0 | 78.0 |
| GE 2000 | | | 72.1 | 73.7 | 75.0 | 75.6 | 76.6 | 77.1 | 77.3 | 77.5 | 77.8 | 77.8 | 78.5 | 79.0 | 79.2 | 79.2 |
| GE 1800 | | | 72.1 | 73.7 | 75.0 | 75.6 | 76.6 | 77.1 | 77.3 | 77.5 | 77.8 | 77.8 | 78.5 | 79.0 | 79.2 | 79.2 |
| GE 1500 | | | 73.6 | 75.4 | 76.7 | 77.3 | 78.3 | 78.7 | 79.0 | 79.2 | 79.5 | 79.5 | 80.2 | 80.7 | 80.9 | 80.9 |
| GE 1200 | | | 74.7 | 76.3 | 77.6 | 78.2 | 79.2 | 79.6 | 79.9 | 80.1 | 80.4 | 80.4 | 81.1 | 81.6 | 81.8 | 81.8 |
| GE 1000 | | | 75.3 | 76.9 | 78.3 | 78.9 | 80.1 | 80.8 | 81.0 | 81.2 | 81.7 | 81.7 | 82.3 | 82.8 | 83.1 | 83.1 |
| GE 900 | | | 75.4 | 77.1 | 78.4 | 79.0 | 80.2 | 80.9 | 81.1 | 81.3 | 81.9 | 81.8 | 82.5 | 82.9 | 83.2 | 83.2 |
| GE 800 | | | 75.6 | 77.5 | 78.9 | 79.4 | 80.9 | 81.7 | 81.9 | 82.2 | 82.7 | 82.7 | 83.4 | 83.8 | 84.1 | 84.1 |
| GE 700 | | | 76.8 | 78.6 | 80.0 | 80.5 | 82.1 | 82.9 | 83.1 | 83.5 | 83.9 | 83.9 | 84.6 | 85.0 | 85.4 | 85.4 |
| GE 600 | | | 76.8 | 78.9 | 80.2 | 80.8 | 82.6 | 83.4 | 83.6 | 83.9 | 84.4 | 84.4 | 85.2 | 85.6 | 85.9 | 85.9 |
| GE 500 | | | 77.7 | 79.8 | 81.2 | 81.8 | 84.1 | 84.9 | 85.2 | 85.7 | 86.2 | 86.2 | 87.5 | 88.0 | 88.5 | 88.5 |
| GE 400 | | | 78.2 | 80.2 | 81.8 | 82.7 | 85.2 | 85.9 | 86.2 | 86.7 | 87.4 | 87.4 | 89.4 | 90.1 | 90.8 | 90.9 |
| GE 300 | | | 78.4 | 80.4 | 82.5 | 83.5 | 86.1 | 87.0 | 87.3 | 88.3 | 89.1 | 89.1 | 91.8 | 92.5 | 93.6 | 93.7 |
| GE 200 | | | 79.1 | 81.1 | 83.1 | 84.3 | 87.0 | 88.0 | 88.4 | 89.5 | 90.6 | 90.6 | 94.5 | 95.2 | 98.2 | 98.4 |
| GE 100 | | | 79.2 | 81.2 | 83.2 | 84.4 | 87.1 | 88.3 | 88.8 | 89.9 | 90.9 | 90.9 | 95.4 | 96.1 | 99.3 | 99.9 |
| GE 0 | | | 79.2 | 81.2 | 83.2 | 84.4 | 87.1 | 88.3 | 88.8 | 89.9 | 90.9 | 90.9 | 95.4 | 96.1 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAÇ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS (LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 63.8 | 64.2 | 64.9 | 65.1 | 65.3 | 65.6 | 66.0 | 66.1 | 66.3 | 66.3 | 66.4 | 66.7 | 66.8 | 66.8 | |
| GE 4500 | | | 65.5 | 65.9 | 66.6 | 66.8 | 67.0 | 67.5 | 67.7 | 67.8 | 68.0 | 68.0 | 68.1 | 68.4 | 68.5 | 68.5 | |
| GE 4000 | | | 69.4 | 69.6 | 70.5 | 70.7 | 71.0 | 71.4 | 71.7 | 71.8 | 72.0 | 72.0 | 72.1 | 72.3 | 72.4 | 72.4 | |
| GE 3500 | | | 71.3 | 71.8 | 72.4 | 72.7 | 72.9 | 73.4 | 73.6 | 73.7 | 73.9 | 73.9 | 74.0 | 74.3 | 74.4 | 74.4 | |
| GE 3000 | | | 74.4 | 75.1 | 75.7 | 76.1 | 76.4 | 77.0 | 77.2 | 77.4 | 77.7 | 77.7 | 77.8 | 78.0 | 78.1 | 78.1 | |
| | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 76.6 | 77.3 | 78.2 | 78.6 | 79.1 | 79.7 | 79.9 | 80.2 | 80.4 | 80.4 | 80.6 | 80.8 | 81.0 | 81.0 | |
| GE 2000 | | | 77.7 | 78.3 | 79.4 | 79.7 | 80.8 | 81.4 | 81.6 | 81.9 | 82.1 | 82.1 | 82.3 | 82.5 | 82.7 | 82.7 | |
| GE 1800 | | | 78.6 | 78.7 | 79.7 | 80.0 | 81.2 | 81.7 | 82.0 | 82.2 | 82.4 | 82.4 | 82.7 | 82.9 | 83.0 | 83.0 | |
| GE 1500 | | | 79.7 | 80.5 | 81.5 | 81.9 | 83.0 | 83.6 | 83.8 | 84.2 | 84.5 | 84.5 | 84.7 | 84.9 | 85.0 | 85.0 | |
| GE 1200 | | | 79.7 | 80.5 | 81.5 | 81.9 | 83.0 | 83.6 | 83.8 | 84.2 | 84.5 | 84.5 | 84.7 | 84.9 | 85.0 | 85.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 80.0 | 81.0 | 82.0 | 82.3 | 83.6 | 84.1 | 84.4 | 84.9 | 85.3 | 85.3 | 85.5 | 85.7 | 85.8 | 85.8 | |
| GE 900 | | | 80.2 | 81.1 | 82.1 | 82.4 | 83.7 | 84.2 | 84.5 | 85.0 | 85.4 | 85.4 | 85.6 | 85.8 | 85.9 | 85.9 | |
| GE 800 | | | 80.8 | 81.7 | 82.8 | 83.1 | 84.4 | 84.9 | 85.1 | 85.7 | 86.1 | 86.1 | 86.3 | 86.5 | 86.6 | 86.6 | |
| GE 700 | | | 81.3 | 82.2 | 83.2 | 83.6 | 84.8 | 85.4 | 85.6 | 86.2 | 86.5 | 86.5 | 86.7 | 87.0 | 87.1 | 87.1 | |
| GE 600 | | | 81.9 | 82.8 | 83.4 | 84.1 | 85.7 | 86.3 | 86.5 | 87.1 | 87.4 | 87.4 | 87.6 | 87.9 | 88.0 | 88.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 500 | | | 83.0 | 83.9 | 85.0 | 85.5 | 87.3 | 87.9 | 88.1 | 89.2 | 89.7 | 89.7 | 89.9 | 90.1 | 90.2 | 90.2 | |
| GE 400 | | | 84.0 | 85.4 | 87.0 | 87.4 | 89.2 | 90.0 | 90.2 | 91.4 | 92.1 | 92.2 | 92.6 | 92.9 | 93.0 | 93.0 | |
| GE 300 | | | 84.5 | 85.9 | 87.8 | 88.2 | 90.5 | 91.3 | 91.5 | 93.0 | 94.0 | 94.4 | 95.1 | 95.7 | 95.9 | 95.9 | |
| GE 200 | | | 84.9 | 86.4 | 88.2 | 88.8 | 91.2 | 92.0 | 92.2 | 94.2 | 95.5 | 95.9 | 97.4 | 98.4 | 99.2 | 99.2 | |
| GE 100 | | | 84.9 | 86.4 | 88.2 | 88.8 | 91.2 | 92.0 | 92.2 | 94.6 | 95.9 | 96.4 | 98.1 | 99.1 | 100.0 | 100.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 0 | | | 84.4 | 86.4 | 88.2 | 88.8 | 91.2 | 92.0 | 92.2 | 94.6 | 95.9 | 96.4 | 98.1 | 99.1 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 882

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 66.6 | 67.0 | 67.2 | 67.3 | 67.5 | 68.6 | 69.1 | 69.6 | 69.9 | 69.9 | 70.4 | 70.6 | 70.6 | 70.6 | |
| GE 4500 | | | 68.3 | 68.7 | 68.9 | 69.0 | 69.2 | 70.3 | 70.8 | 71.3 | 71.6 | 71.6 | 72.1 | 72.3 | 72.3 | 72.3 | |
| GE 4000 | | | 72.1 | 72.8 | 73.3 | 73.4 | 73.7 | 74.7 | 75.3 | 75.7 | 76.0 | 76.0 | 76.5 | 76.7 | 76.7 | 76.7 | |
| GE 3500 | | | 74.8 | 75.6 | 76.2 | 76.3 | 76.5 | 77.5 | 78.1 | 78.5 | 78.9 | 78.9 | 79.3 | 79.6 | 79.6 | 79.6 | |
| GE 3000 | | | 76.8 | 77.8 | 78.3 | 78.4 | 78.7 | 79.9 | 80.5 | 80.9 | 81.3 | 81.3 | 81.7 | 82.0 | 82.0 | 82.0 | |
| GE 2500 | | | 79.3 | 80.2 | 80.8 | 80.9 | 81.3 | 82.5 | 83.1 | 83.5 | 83.9 | 83.9 | 84.3 | 84.6 | 84.6 | 84.6 | |
| GE 2000 | | | 81.2 | 82.1 | 82.7 | 82.9 | 83.4 | 84.7 | 85.2 | 85.7 | 86.0 | 86.0 | 86.5 | 86.7 | 86.7 | 86.7 | |
| GE 1600 | | | 81.3 | 82.2 | 82.9 | 83.0 | 83.5 | 84.8 | 85.4 | 85.8 | 86.2 | 86.2 | 86.6 | 86.8 | 86.8 | 86.8 | |
| GE 1500 | | | 82.1 | 83.0 | 83.7 | 83.8 | 84.4 | 85.7 | 86.3 | 86.7 | 87.1 | 87.1 | 87.5 | 87.7 | 87.7 | 87.7 | |
| GE 1200 | | | 82.2 | 83.1 | 83.4 | 84.0 | 84.8 | 86.0 | 86.6 | 87.2 | 87.5 | 87.5 | 88.0 | 88.2 | 88.2 | 88.2 | |
| GE 1000 | | | 82.7 | 83.7 | 84.3 | 84.7 | 85.6 | 86.8 | 87.4 | 88.1 | 88.4 | 88.4 | 88.9 | 89.1 | 89.1 | 89.1 | |
| GE 900 | | | 83.3 | 84.2 | 84.9 | 85.2 | 86.2 | 87.4 | 88.0 | 88.6 | 89.0 | 89.0 | 89.4 | 89.7 | 89.7 | 89.7 | |
| GE 800 | | | 83.8 | 84.7 | 85.4 | 85.7 | 86.6 | 88.0 | 88.5 | 89.2 | 89.6 | 89.6 | 90.0 | 90.2 | 90.2 | 90.2 | |
| GE 700 | | | 84.6 | 85.5 | 86.2 | 86.5 | 87.4 | 88.8 | 89.3 | 90.0 | 90.4 | 90.4 | 90.8 | 91.0 | 91.0 | 91.0 | |
| GE 600 | | | 85.4 | 86.3 | 86.9 | 87.3 | 88.3 | 89.7 | 90.2 | 90.9 | 91.3 | 91.3 | 91.8 | 92.1 | 92.1 | 92.1 | |
| GE 500 | | | 85.7 | 86.6 | 87.3 | 87.6 | 88.6 | 90.0 | 90.7 | 91.4 | 91.7 | 91.7 | 92.3 | 92.5 | 92.5 | 92.5 | |
| GE 400 | | | 86.6 | 87.6 | 88.5 | 88.9 | 89.9 | 91.3 | 91.9 | 92.7 | 93.1 | 93.1 | 93.5 | 94.0 | 94.2 | 94.2 | |
| GE 300 | | | 88.2 | 89.2 | 90.1 | 90.5 | 91.5 | 92.6 | 93.6 | 94.6 | 95.1 | 95.1 | 95.5 | 96.4 | 96.7 | 96.7 | |
| GE 200 | | | 88.3 | 89.3 | 90.4 | 90.8 | 91.8 | 93.3 | 94.2 | 95.2 | 96.3 | 96.3 | 96.6 | 98.0 | 98.4 | 99.0 | |
| GE 100 | | | 88.6 | 89.7 | 90.7 | 91.1 | 92.2 | 93.9 | 94.6 | 95.9 | 96.9 | 97.3 | 98.8 | 99.4 | 100.0 | 100.0 | |
| GE 0 | | | 88.6 | 89.7 | 90.7 | 91.1 | 92.2 | 93.9 | 94.6 | 95.9 | 96.9 | 97.3 | 98.8 | 99.4 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 881

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(EST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 67.9 | 68.1 | 68.6 | 68.8 | 69.3 | 69.9 | 70.4 | 70.8 | 71.3 | 71.3 | 72.0 | 72.4 | 72.5 | 72.5 |
| GE 4500 | | | 68.5 | 68.7 | 69.2 | 69.4 | 69.8 | 70.5 | 71.0 | 71.4 | 71.9 | 71.9 | 72.5 | 73.0 | 73.1 | 73.1 |
| GE 4000 | | | 72.2 | 72.4 | 72.9 | 73.4 | 73.9 | 74.6 | 75.0 | 75.5 | 75.9 | 75.9 | 76.6 | 77.1 | 77.2 | 77.2 |
| GE 3500 | | | 75.0 | 75.3 | 75.7 | 76.3 | 76.7 | 77.4 | 77.9 | 78.3 | 78.8 | 79.6 | 79.4 | 79.9 | 80.0 | 80.0 |
| GE 3000 | | | 76.6 | 76.9 | 77.4 | 78.0 | 78.5 | 79.3 | 79.8 | 80.2 | 80.7 | 80.7 | 81.4 | 81.8 | 81.9 | 81.9 |
| GE 2500 | | | 78.5 | 78.9 | 79.5 | 80.2 | 80.9 | 81.7 | 82.1 | 82.6 | 83.1 | 83.1 | 83.7 | 84.2 | 84.3 | 84.3 |
| GE 2000 | | | 79.7 | 80.0 | 80.7 | 81.4 | 82.0 | 82.8 | 83.3 | 83.7 | 84.2 | 84.2 | 84.9 | 85.3 | 85.4 | 85.4 |
| GE 1800 | | | 79.9 | 80.2 | 80.9 | 81.6 | 82.3 | 83.1 | 83.5 | 84.0 | 84.4 | 84.4 | 85.1 | 85.5 | 85.6 | 85.6 |
| GE 1500 | | | 80.1 | 80.5 | 81.1 | 81.8 | 82.5 | 83.3 | 83.7 | 84.2 | 84.6 | 84.6 | 85.3 | 85.8 | 85.9 | 85.9 |
| GE 1200 | | | 80.2 | 80.7 | 81.4 | 82.0 | 82.7 | 83.5 | 84.0 | 84.4 | 84.9 | 84.9 | 85.5 | 86.0 | 86.1 | 86.1 |
| GE 1000 | | | 80.6 | 81.1 | 81.8 | 82.6 | 83.4 | 84.3 | 84.7 | 85.4 | 85.9 | 85.9 | 86.6 | 87.0 | 87.1 | 87.1 |
| GE 900 | | | 81.0 | 81.6 | 82.3 | 83.1 | 83.8 | 84.7 | 85.2 | 85.9 | 86.3 | 86.3 | 87.0 | 87.5 | 87.6 | 87.6 |
| GE 800 | | | 82.0 | 82.6 | 83.3 | 84.1 | 84.9 | 85.9 | 86.3 | 87.1 | 87.6 | 87.6 | 88.2 | 88.7 | 88.8 | 88.8 |
| GE 700 | | | 83.5 | 84.1 | 84.7 | 85.5 | 86.4 | 87.5 | 87.9 | 88.7 | 89.2 | 89.2 | 89.8 | 90.3 | 90.4 | 90.4 |
| GE 600 | | | 84.5 | 85.1 | 85.8 | 86.6 | 87.7 | 88.7 | 89.2 | 89.9 | 90.4 | 90.4 | 91.1 | 91.5 | 91.6 | 91.6 |
| GE 500 | | | 84.5 | 85.2 | 85.9 | 86.8 | 88.0 | 89.0 | 89.5 | 90.4 | 90.8 | 90.8 | 91.6 | 92.1 | 92.2 | 92.2 |
| GE 400 | | | 84.7 | 85.4 | 86.1 | 87.1 | 88.5 | 89.5 | 89.9 | 91.0 | 91.4 | 91.4 | 92.4 | 92.9 | 93.1 | 93.1 |
| GE 300 | | | 85.6 | 86.4 | 87.1 | 88.1 | 89.7 | 90.7 | 91.2 | 92.5 | 93.1 | 93.1 | 94.7 | 95.1 | 95.4 | 95.4 |
| GE 200 | | | 86.0 | 86.8 | 87.5 | 88.5 | 90.4 | 91.6 | 92.5 | 94.4 | 95.0 | 95.0 | 97.3 | 97.7 | 98.4 | 98.4 |
| GE 100 | | | 86.1 | 86.9 | 87.6 | 88.6 | 90.5 | 91.8 | 92.7 | 94.7 | 95.4 | 95.4 | 98.3 | 98.9 | 99.9 | 99.9 |
| GE 0 | | | 86.1 | 86.9 | 87.6 | 88.6 | 90.5 | 91.9 | 92.8 | 94.8 | 95.5 | 95.5 | 98.4 | 99.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 485

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN. HOURS(LEST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 65.3 | 66.1 | 66.6 | 67.1 | 67.6 | 67.8 | 67.9 | 68.2 | 68.6 | 68.6 | 68.8 | 69.3 | 69.3 | 69.4 | |
| GE 4500 | | | 66.1 | 66.9 | 67.3 | 67.9 | 68.4 | 68.6 | 68.7 | 69.0 | 69.4 | 69.4 | 69.6 | 70.0 | 70.0 | 70.2 | |
| GE 4000 | | | 70.5 | 71.4 | 71.8 | 72.4 | 73.0 | 73.2 | 73.3 | 73.6 | 74.0 | 74.0 | 74.2 | 74.7 | 74.7 | 74.8 | |
| GE 3500 | | | 72.5 | 73.4 | 73.9 | 74.7 | 75.2 | 75.5 | 75.6 | 75.9 | 76.2 | 76.2 | 76.5 | 76.9 | 76.9 | 77.0 | |
| GE 3000 | | | 75.9 | 76.9 | 77.6 | 78.4 | 79.1 | 79.3 | 79.4 | 79.8 | 80.2 | 80.3 | 80.5 | 81.0 | 81.0 | 81.1 | |
| | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 77.9 | 78.9 | 80.0 | 80.7 | 81.5 | 81.8 | 81.9 | 82.3 | 82.7 | 82.8 | 83.0 | 83.4 | 83.4 | 83.6 | |
| GE 2000 | | | 78.8 | 79.8 | 81.0 | 81.8 | 82.5 | 82.8 | 82.9 | 83.3 | 83.7 | 83.8 | 84.0 | 84.5 | 84.5 | 84.6 | |
| GE 1800 | | | 79.2 | 80.2 | 81.4 | 82.2 | 83.0 | 83.2 | 83.3 | 83.8 | 84.1 | 84.2 | 84.5 | 84.9 | 84.9 | 85.0 | |
| GE 1500 | | | 79.7 | 80.7 | 82.3 | 83.1 | 83.9 | 84.1 | 84.2 | 85.0 | 85.4 | 85.5 | 85.7 | 86.1 | 86.1 | 86.3 | |
| GE 1200 | | | 80.1 | 81.1 | 82.7 | 83.4 | 84.3 | 84.6 | 84.7 | 85.6 | 85.9 | 86.0 | 86.3 | 86.7 | 86.7 | 86.8 | |
| | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 80.9 | 81.9 | 83.4 | 84.2 | 85.7 | 85.9 | 86.0 | 87.3 | 87.6 | 87.7 | 88.0 | 88.4 | 88.4 | 88.5 | |
| GE 900 | | | 80.9 | 82.0 | 83.6 | 84.3 | 85.8 | 86.0 | 86.1 | 87.4 | 87.7 | 87.8 | 88.1 | 88.5 | 88.5 | 88.6 | |
| GE 800 | | | 81.3 | 82.5 | 84.1 | 84.9 | 86.4 | 86.6 | 86.7 | 88.0 | 88.3 | 88.4 | 88.9 | 89.3 | 89.3 | 89.4 | |
| GE 700 | | | 82.2 | 83.4 | 85.0 | 85.8 | 87.3 | 87.5 | 87.6 | 88.9 | 89.2 | 89.3 | 89.9 | 90.3 | 90.3 | 90.4 | |
| GE 600 | | | 83.0 | 84.5 | 86.0 | 86.9 | 88.4 | 88.6 | 88.7 | 90.0 | 90.3 | 90.4 | 91.0 | 91.4 | 91.4 | 91.6 | |
| | | | | | | | | | | | | | | | | | |
| GE 500 | | | 83.4 | 84.9 | 86.5 | 87.5 | 89.0 | 89.3 | 89.5 | 90.8 | 91.2 | 91.3 | 91.9 | 92.3 | 92.3 | 92.5 | |
| GE 400 | | | 83.8 | 85.2 | 86.8 | 87.8 | 89.3 | 89.9 | 90.4 | 91.9 | 92.3 | 92.5 | 93.1 | 93.6 | 93.9 | 94.0 | |
| GE 300 | | | 84.5 | 86.0 | 87.6 | 88.6 | 90.4 | 91.1 | 91.8 | 93.5 | 93.9 | 94.1 | 95.6 | 96.2 | 96.6 | 96.7 | |
| GE 200 | | | 84.7 | 86.3 | 87.8 | 88.9 | 90.8 | 91.4 | 92.1 | 93.8 | 94.4 | 94.6 | 96.6 | 97.2 | 98.1 | 98.2 | |
| GE 100 | | | 84.8 | 86.4 | 88.0 | 89.0 | 91.1 | 91.8 | 92.6 | 94.9 | 95.6 | 95.8 | 98.1 | 98.9 | 99.9 | 100.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 0 | | | 84.8 | 86.4 | 88.0 | 89.0 | 91.1 | 91.8 | 92.6 | 94.9 | 95.6 | 95.8 | 98.1 | 98.9 | 99.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 888

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LEST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|----|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|-------|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | 64.1 | 64.5 | 65.0 | 65.4 | 66.2 | 66.2 | 66.4 | 66.9 | 67.0 | 67.0 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 4500 | | | | 64.6 | 64.9 | 65.5 | 65.8 | 66.6 | 66.6 | 66.9 | 67.3 | 67.4 | 67.4 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 4000 | | | | 69.0 | 69.4 | 69.9 | 70.3 | 71.1 | 71.1 | 71.3 | 71.7 | 71.9 | 71.9 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 3500 | | | | 71.9 | 72.2 | 72.8 | 73.1 | 73.9 | 73.9 | 74.1 | 74.6 | 74.7 | 74.7 | 74.9 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 3000 | | | | 75.0 | 75.5 | 76.0 | 76.5 | 77.3 | 77.3 | 77.5 | 78.0 | 78.1 | 78.1 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2500 | | | | 77.2 | 77.6 | 78.2 | 78.8 | 79.9 | 79.9 | 80.1 | 80.6 | 80.7 | 80.7 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 2000 | | | | 78.1 | 78.5 | 79.2 | 79.8 | 81.0 | 81.0 | 81.3 | 81.7 | 81.8 | 81.8 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 1800 | | | | 78.2 | 78.7 | 79.3 | 79.9 | 81.2 | 81.2 | 81.4 | 81.8 | 82.0 | 82.0 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 1500 | | | | 79.3 | 79.8 | 80.5 | 81.0 | 82.4 | 82.4 | 82.6 | 83.3 | 83.4 | 83.4 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 |
| GE 1200 | | | | 79.6 | 80.0 | 80.7 | 81.3 | 82.6 | 82.6 | 82.9 | 83.5 | 83.7 | 83.7 | 83.9 | 84.0 | 84.1 | 84.1 | 84.1 |
| GE 1000 | | | | 80.4 | 80.8 | 81.5 | 82.2 | 83.9 | 83.9 | 84.1 | 84.9 | 85.0 | 85.0 | 85.2 | 85.4 | 85.5 | 85.5 | 85.5 |
| GE 900 | | | | 80.9 | 81.6 | 82.3 | 83.1 | 84.8 | 84.8 | 85.0 | 85.8 | 85.9 | 85.9 | 86.0 | 86.3 | 86.4 | 86.5 | 86.5 |
| GE 800 | | | | 80.9 | 81.6 | 82.3 | 83.1 | 84.9 | 84.9 | 85.1 | 85.9 | 86.0 | 86.0 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 |
| GE 700 | | | | 81.6 | 82.3 | 83.0 | 83.9 | 85.7 | 85.7 | 85.9 | 86.7 | 86.8 | 86.9 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6 |
| GE 600 | | | | 81.8 | 82.5 | 83.2 | 84.1 | 86.0 | 86.0 | 86.3 | 87.1 | 87.2 | 87.3 | 87.7 | 87.9 | 88.0 | 88.0 | 88.0 |
| GE 500 | | | | 82.2 | 82.9 | 83.6 | 84.7 | 86.7 | 86.8 | 87.1 | 88.0 | 88.1 | 88.2 | 89.2 | 89.3 | 89.6 | 89.6 | 89.6 |
| GE 400 | | | | 82.5 | 83.2 | 84.1 | 85.4 | 87.6 | 88.0 | 88.6 | 89.7 | 89.8 | 89.9 | 91.0 | 91.1 | 91.7 | 91.7 | 91.7 |
| GE 300 | | | | 82.6 | 83.3 | 84.3 | 85.9 | 88.4 | 88.8 | 89.4 | 90.7 | 90.8 | 90.9 | 92.4 | 92.7 | 94.0 | 94.1 | 94.1 |
| GE 200 | | | | 82.9 | 83.5 | 84.7 | 86.3 | 88.9 | 89.4 | 90.2 | 91.7 | 92.1 | 92.2 | 94.4 | 94.9 | 97.5 | 97.6 | 97.6 |
| GE 100 | | | | 82.5 | 83.5 | 84.7 | 86.3 | 88.9 | 89.4 | 90.2 | 91.9 | 92.3 | 92.4 | 95.0 | 95.7 | 99.3 | 99.4 | 99.4 |
| GE 0 | | | | 82.9 | 83.5 | 84.7 | 86.3 | 88.9 | 89.4 | 90.4 | 92.4 | 92.7 | 92.8 | 95.5 | 96.3 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(EST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|---|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 7785

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULT AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS (LST): 0000-0200

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 63.1 | 63.2 | 63.7 | 63.9 | 64.0 | 64.4 | 64.4 | 64.9 | 65.1 | 65.1 | 66.3 | 66.3 | 66.5 | 66.5 |
| GE | 4500 | | | 65.3 | 65.4 | 65.9 | 66.1 | 66.2 | 66.6 | 66.6 | 67.1 | 67.3 | 67.3 | 68.5 | 68.5 | 68.7 | 68.7 |
| GE | 4000 | | | 71.7 | 71.9 | 72.3 | 72.6 | 72.7 | 73.1 | 73.1 | 73.5 | 73.8 | 73.8 | 75.0 | 75.0 | 75.2 | 75.2 |
| GE | 3500 | | | 75.3 | 75.5 | 76.0 | 76.2 | 76.5 | 76.9 | 76.9 | 77.4 | 77.6 | 77.6 | 78.8 | 78.8 | 79.0 | 79.0 |
| GE | 3000 | | | 79.0 | 79.3 | 79.8 | 80.0 | 80.4 | 80.8 | 80.8 | 81.2 | 81.4 | 81.4 | 82.7 | 82.7 | 82.9 | 82.9 |
| GE | 2500 | | | 80.4 | 80.6 | 81.2 | 81.4 | 81.8 | 82.2 | 82.2 | 82.7 | 82.9 | 82.9 | 84.1 | 84.1 | 84.3 | 84.3 |
| GE | 2000 | | | 81.3 | 81.6 | 82.3 | 82.5 | 82.9 | 83.3 | 83.3 | 83.8 | 84.0 | 84.0 | 85.2 | 85.2 | 85.4 | 85.4 |
| GE | 1800 | | | 81.6 | 81.8 | 82.5 | 82.6 | 83.1 | 83.5 | 83.5 | 84.0 | 84.2 | 84.2 | 85.4 | 85.4 | 85.6 | 85.6 |
| GE | 1500 | | | 81.7 | 81.9 | 82.7 | 82.9 | 83.2 | 83.6 | 83.6 | 84.1 | 84.3 | 84.3 | 85.5 | 85.5 | 85.8 | 85.8 |
| GE | 1200 | | | 82.3 | 82.5 | 83.3 | 83.5 | 83.9 | 84.3 | 84.3 | 84.7 | 85.0 | 85.0 | 86.2 | 86.2 | 86.5 | 86.5 |
| GE | 1000 | | | 82.9 | 83.1 | 83.9 | 84.1 | 84.4 | 84.9 | 84.9 | 85.3 | 85.5 | 85.5 | 86.7 | 86.8 | 87.0 | 87.0 |
| GE | 900 | | | 82.9 | 83.1 | 84.0 | 84.2 | 84.5 | 85.0 | 85.0 | 85.4 | 85.6 | 85.6 | 86.8 | 86.9 | 87.2 | 87.2 |
| GE | 800 | | | 83.2 | 83.4 | 84.3 | 84.5 | 84.9 | 85.3 | 85.3 | 85.7 | 85.9 | 85.9 | 87.3 | 87.4 | 87.6 | 87.6 |
| GE | 700 | | | 83.2 | 83.5 | 84.5 | 84.7 | 85.1 | 85.5 | 85.5 | 85.9 | 86.2 | 86.2 | 87.5 | 87.6 | 87.8 | 87.8 |
| GE | 600 | | | 83.8 | 84.1 | 85.1 | 85.3 | 85.6 | 86.1 | 86.1 | 86.7 | 86.9 | 86.9 | 88.3 | 88.4 | 88.6 | 88.6 |
| GE | 500 | | | 84.1 | 84.3 | 85.3 | 85.5 | 86.2 | 86.6 | 86.6 | 87.4 | 87.8 | 87.8 | 89.5 | 89.9 | 90.2 | 90.2 |
| GE | 400 | | | 84.9 | 85.2 | 86.2 | 86.4 | 87.0 | 87.5 | 87.5 | 88.4 | 88.9 | 88.9 | 90.7 | 91.1 | 91.7 | 91.7 |
| GE | 300 | | | 85.4 | 85.6 | 86.8 | 87.2 | 87.8 | 88.4 | 88.4 | 89.4 | 89.2 | 90.3 | 92.8 | 93.2 | 94.4 | 94.4 |
| GE | 200 | | | 85.8 | 86.3 | 87.4 | 88.0 | 88.8 | 89.4 | 89.5 | 90.3 | 91.3 | 91.5 | 94.8 | 95.5 | 97.0 | 97.5 |
| GE | 100 | | | 85.8 | 86.3 | 87.4 | 88.0 | 88.8 | 89.5 | 89.8 | 90.9 | 92.1 | 92.3 | 95.7 | 96.4 | 98.6 | 99.8 |
| GE | 0 | | | 85.8 | 86.3 | 87.4 | 88.0 | 88.8 | 89.5 | 89.8 | 90.7 | 92.1 | 92.3 | 95.7 | 96.5 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(IST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|--------|-----------------------------|----|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14 000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 62.8 | 63.1 | 63.3 | 63.7 | 64.1 | 64.5 | 64.8 | 65.2 | 65.9 | 66.0 | 67.0 | 67.3 | 67.4 | 67.5 |
| GE | 4500 | | | 64.9 | 65.2 | 65.4 | 65.7 | 66.2 | 66.6 | 66.9 | 67.3 | 68.0 | 68.1 | 69.1 | 69.4 | 69.5 | 69.6 |
| GE | 4000 | | | 71.6 | 72.4 | 72.6 | 72.9 | 73.3 | 73.8 | 74.0 | 74.6 | 75.2 | 75.3 | 76.3 | 76.7 | 76.8 | 76.9 |
| GE | 3500 | | | 74.6 | 75.1 | 75.3 | 75.7 | 76.1 | 76.5 | 76.8 | 77.3 | 78.0 | 78.1 | 79.1 | 79.4 | 79.5 | 79.6 |
| GE | 3000 | | | 77.4 | 78.2 | 78.6 | 79.0 | 79.4 | 79.8 | 80.1 | 80.7 | 81.4 | 81.5 | 82.5 | 82.8 | 82.9 | 83.0 |
| GE | 2500 | | | 78.4 | 79.2 | 79.6 | 80.0 | 80.4 | 80.8 | 81.1 | 81.8 | 82.5 | 82.6 | 83.6 | 83.9 | 84.0 | 84.1 |
| GE | 2000 | | | 78.7 | 79.5 | 80.0 | 80.3 | 80.7 | 81.2 | 81.4 | 82.2 | 82.8 | 82.9 | 83.9 | 84.3 | 84.4 | 84.5 |
| GE | 1800 | | | 78.7 | 79.5 | 80.0 | 80.3 | 80.7 | 81.2 | 81.4 | 82.2 | 82.8 | 82.9 | 83.9 | 84.3 | 84.4 | 84.5 |
| GE | 1500 | | | 79.4 | 80.2 | 80.6 | 80.9 | 81.4 | 81.8 | 82.0 | 82.8 | 83.6 | 83.7 | 84.7 | 85.0 | 85.2 | 85.4 |
| GE | 1200 | | | 79.8 | 80.6 | 81.1 | 81.4 | 81.8 | 82.3 | 82.5 | 83.3 | 84.0 | 84.1 | 85.1 | 85.5 | 85.7 | 85.8 |
| GE | 1000 | | | 80.3 | 81.2 | 81.6 | 81.9 | 82.4 | 82.8 | 83.0 | 83.8 | 84.6 | 84.7 | 85.7 | 86.1 | 86.3 | 86.5 |
| GE | 900 | | | 80.3 | 81.2 | 81.6 | 81.9 | 82.4 | 82.8 | 83.0 | 83.8 | 84.6 | 84.7 | 85.7 | 86.1 | 86.3 | 86.5 |
| GE | 800 | | | 80.5 | 81.4 | 81.8 | 82.2 | 82.6 | 83.0 | 83.4 | 84.1 | 84.7 | 85.1 | 86.3 | 86.8 | 87.0 | 87.1 |
| GE | 700 | | | 80.6 | 81.6 | 82.0 | 82.4 | 82.8 | 83.3 | 83.6 | 84.5 | 85.4 | 85.5 | 86.7 | 87.1 | 87.3 | 87.4 |
| GE | 600 | | | 81.2 | 82.2 | 82.6 | 82.9 | 83.4 | 83.8 | 84.1 | 85.0 | 85.9 | 86.0 | 87.2 | 87.7 | 87.9 | 88.0 |
| GE | 500 | | | 81.3 | 82.6 | 83.1 | 83.5 | 83.9 | 84.4 | 84.7 | 85.9 | 86.8 | 86.9 | 88.4 | 88.9 | 89.1 | 89.2 |
| GE | 400 | | | 82.2 | 83.5 | 84.3 | 84.8 | 85.5 | 85.9 | 86.3 | 87.6 | 88.5 | 88.7 | 90.6 | 91.1 | 91.4 | 91.5 |
| GE | 300 | | | 82.8 | 84.1 | 85.2 | 85.9 | 86.6 | 87.0 | 87.4 | 89.2 | 90.6 | 90.7 | 93.2 | 93.8 | 94.5 | 94.9 |
| GE | 200 | | | 82.9 | 84.3 | 85.5 | 86.2 | 86.9 | 87.6 | 88.0 | 90.2 | 91.7 | 91.9 | 95.2 | 95.9 | 97.2 | 97.8 |
| GE | 100 | | | 82.9 | 84.3 | 85.5 | 86.2 | 86.9 | 87.7 | 88.2 | 90.5 | 92.2 | 92.3 | 95.7 | 96.5 | 98.3 | 99.7 |
| GE | 0 | | | 82.9 | 84.3 | 85.5 | 86.2 | 86.9 | 88.0 | 88.5 | 90.9 | 92.5 | 92.6 | 96.0 | 96.8 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 968

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AE GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|------|---------|---------|------|------|------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 | 1/2 | GE 2 | GF 1 | 1/2 | 1 | 1/4 | GE 1 | GL 3/4 | GL 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GF 0 |
| NO CEIL | | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | | |
| GE 5000 | | 64.7 | 65.1 | 65.5 | 65.6 | 66.5 | 66.7 | 67.1 | 67.4 | 67.6 | 67.6 | 68.8 | 69.1 | 69.2 | 69.4 | | | | |
| GE 4500 | | 65.7 | 66.0 | 66.6 | 66.7 | 67.6 | 67.8 | 68.2 | 68.4 | 69.7 | 69.7 | 69.9 | 70.2 | 70.3 | 70.5 | | | | |
| GE 4000 | | 72.7 | 73.3 | 73.9 | 74.0 | 74.9 | 75.1 | 75.5 | 75.8 | 76.1 | 76.1 | 77.3 | 77.6 | 77.7 | 77.9 | | | | |
| GE 3500 | | 75.5 | 76.1 | 76.7 | 76.9 | 77.7 | 77.9 | 78.4 | 78.6 | 79.9 | 78.9 | 80.1 | 80.5 | 80.6 | 80.8 | | | | |
| GE 3000 | | 76.5 | 79.0 | 79.7 | 79.8 | 80.7 | 80.9 | 81.3 | 81.6 | 81.9 | 81.9 | 83.1 | 83.4 | 83.5 | 83.7 | | | | |
| GE 2500 | | 79.4 | 80.5 | 81.1 | 81.2 | 82.1 | 82.4 | 82.9 | 83.1 | 83.4 | 83.4 | 84.6 | 84.9 | 85.0 | 85.3 | | | | |
| GE 2000 | | 80.4 | 81.4 | 82.1 | 82.2 | 83.1 | 83.4 | 83.8 | 84.1 | 84.4 | 84.4 | 85.6 | 85.9 | 86.0 | 86.2 | | | | |
| GE 1800 | | 80.9 | 81.4 | 82.1 | 82.2 | 83.1 | 83.4 | 83.8 | 84.1 | 84.4 | 84.4 | 85.6 | 85.9 | 86.0 | 86.2 | | | | |
| GE 1500 | | 81.3 | 81.9 | 82.5 | 82.6 | 83.5 | 83.8 | 84.3 | 84.5 | 84.8 | 84.8 | 86.1 | 86.6 | 86.8 | 87.0 | | | | |
| GE 1200 | | 81.9 | 82.4 | 83.1 | 83.2 | 84.1 | 84.4 | 84.8 | 85.0 | 85.4 | 85.4 | 86.7 | 87.1 | 87.3 | 87.6 | | | | |
| GE 1000 | | 82.3 | 82.9 | 83.5 | 83.6 | 84.5 | 84.8 | 85.3 | 85.5 | 85.9 | 85.9 | 87.1 | 87.6 | 87.8 | 88.0 | | | | |
| GE 900 | | 82.8 | 83.4 | 84.2 | 84.3 | 85.2 | 85.5 | 85.9 | 86.1 | 86.5 | 86.5 | 87.8 | 88.2 | 88.4 | 88.6 | | | | |
| GE 800 | | 83.1 | 83.7 | 84.5 | 84.6 | 85.5 | 85.8 | 86.2 | 86.5 | 86.9 | 86.9 | 88.2 | 88.6 | 88.9 | 89.1 | | | | |
| GE 700 | | 83.3 | 84.0 | 84.7 | 84.8 | 85.8 | 86.1 | 86.6 | 86.8 | 87.2 | 87.2 | 88.5 | 89.0 | 89.2 | 89.4 | | | | |
| GE 600 | | 83.3 | 84.0 | 84.7 | 84.8 | 85.8 | 86.1 | 86.6 | 86.8 | 87.2 | 87.2 | 88.5 | 89.0 | 89.2 | 89.4 | | | | |
| GE 500 | | 84.4 | 85.0 | 85.8 | 85.9 | 86.9 | 87.2 | 87.7 | 87.9 | 88.3 | 88.4 | 89.8 | 90.5 | 90.7 | 90.9 | | | | |
| GE 400 | | 85.0 | 85.7 | 87.0 | 87.2 | 88.5 | 89.1 | 89.5 | 90.1 | 90.5 | 90.6 | 92.4 | 93.0 | 93.3 | 93.6 | | | | |
| GE 300 | | 85.4 | 86.0 | 87.3 | 87.7 | 89.1 | 89.6 | 90.1 | 91.0 | 91.6 | 91.7 | 94.7 | 95.4 | 96.2 | 96.4 | | | | |
| GE 200 | | 85.6 | 86.2 | 87.6 | 87.9 | 89.4 | 90.1 | 90.5 | 91.8 | 92.7 | 92.8 | 95.7 | 96.9 | 98.4 | 98.7 | | | | |
| GE 100 | | 85.6 | 86.2 | 87.7 | 88.0 | 89.5 | 90.2 | 90.6 | 92.0 | 92.9 | 93.0 | 96.2 | 97.4 | 99.5 | 100.0 | | | | |
| GE 0 | | 85.6 | 86.2 | 87.7 | 88.0 | 89.5 | 90.2 | 90.6 | 92.0 | 92.9 | 93.0 | 96.2 | 97.4 | 99.5 | 100.0 | | | | |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|----|
| IN | FEET | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GF 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1600 | | | | | | | | | | | | | | | | | |
| GE 1400 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(EST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| IN | GL | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GL | GE | GE |
| FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 26000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 66.7 | 66.9 | 67.6 | 67.8 | 68.6 | 68.7 | 68.8 | 69.4 | 69.5 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 4500 | | | 68.3 | 68.5 | 69.3 | 69.4 | 70.3 | 70.4 | 70.5 | 71.0 | 71.1 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 4000 | | | 75.7 | 75.9 | 76.8 | 76.9 | 78.0 | 78.1 | 78.2 | 78.8 | 78.9 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 3500 | | | 79.3 | 78.5 | 79.6 | 79.7 | 80.8 | 80.9 | 81.0 | 81.6 | 81.7 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 3000 | | | 82.4 | 82.6 | 83.7 | 83.8 | 84.9 | 85.0 | 85.1 | 85.6 | 85.7 | 85.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 2500 | | | 83.7 | 83.9 | 85.0 | 85.1 | 86.2 | 86.3 | 86.4 | 86.9 | 87.0 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 2000 | | | 84.4 | 84.6 | 85.7 | 85.8 | 86.9 | 87.0 | 87.1 | 87.7 | 87.8 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 1800 | | | 84.4 | 84.6 | 85.7 | 85.8 | 86.9 | 87.0 | 87.1 | 87.7 | 87.8 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 1500 | | | 84.7 | 85.0 | 86.1 | 86.2 | 87.3 | 87.4 | 87.5 | 88.0 | 88.1 | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 1200 | | | 85.3 | 85.5 | 86.6 | 86.7 | 87.8 | 87.9 | 88.0 | 88.6 | 88.7 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 1000 | | | 85.6 | 85.8 | 86.9 | 87.0 | 88.1 | 88.2 | 88.3 | 88.9 | 89.0 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 900 | | | 85.6 | 85.8 | 86.9 | 87.0 | 88.1 | 88.2 | 88.3 | 88.9 | 89.0 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 800 | | | 86.5 | 86.8 | 87.9 | 88.0 | 89.1 | 89.2 | 89.3 | 90.1 | 90.2 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 700 | | | 86.5 | 86.8 | 87.9 | 88.0 | 89.1 | 89.2 | 89.3 | 90.1 | 90.2 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 600 | | | 86.9 | 87.3 | 88.3 | 88.5 | 89.5 | 89.9 | 90.0 | 90.8 | 91.0 | 91.1 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 500 | | | 87.5 | 87.8 | 88.9 | 89.0 | 90.1 | 90.5 | 90.7 | 91.6 | 91.7 | 91.8 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 400 | | | 87.8 | 88.1 | 89.2 | 89.4 | 90.5 | 91.1 | 91.4 | 92.4 | 92.5 | 92.6 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 300 | | | 88.1 | 88.6 | 89.7 | 90.1 | 91.5 | 92.2 | 92.5 | 93.9 | 94.4 | 94.7 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 200 | | | 88.6 | 89.0 | 90.3 | 90.7 | 92.2 | 93.5 | 93.8 | 95.3 | 96.4 | 96.7 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 |
| GE 100 | | | 88.6 | 89.0 | 90.3 | 90.8 | 92.3 | 93.6 | 94.0 | 95.6 | 96.7 | 97.3 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 |
| GE 0 | | | 88.6 | 89.0 | 90.3 | 90.8 | 92.3 | 93.6 | 94.0 | 95.6 | 96.7 | 97.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(EST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL 1 | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GF 18000 | | | | | | | | | | | | | | | | | |
| GF 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GF 9000 | | | | | | | | | | | | | | | | | |
| GF 8000 | | | | | | | | | | | | | | | | | |
| GF 7000 | | | | | | | | | | | | | | | | | |
| GF 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | 69.5 | 70.0 | 70.2 | 70.4 | 71.4 | 71.8 | 71.8 | 72.5 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 4500 | | 71.3 | 71.7 | 71.9 | 72.2 | 73.1 | 73.6 | 73.6 | 74.2 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 4000 | | 76.4 | 76.9 | 77.3 | 77.6 | 78.7 | 79.1 | 79.1 | 79.8 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GF 3500 | | 79.0 | 79.5 | 80.0 | 80.3 | 81.4 | 81.9 | 81.9 | 82.5 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 3000 | | 82.8 | 83.2 | 83.7 | 84.1 | 85.3 | 85.7 | 85.7 | 86.4 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 2500 | | 83.6 | 84.1 | 84.6 | 84.9 | 86.1 | 86.6 | 86.6 | 87.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GF 2000 | | 84.8 | 85.3 | 85.9 | 86.2 | 87.4 | 87.9 | 87.9 | 88.5 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GF 1800 | | 84.8 | 85.3 | 85.9 | 86.2 | 87.4 | 87.9 | 87.9 | 88.5 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GF 1500 | | 85.0 | 85.5 | 86.2 | 86.6 | 87.8 | 88.2 | 88.2 | 88.9 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GF 1200 | | 85.2 | 85.6 | 86.4 | 86.7 | 87.9 | 88.3 | 88.3 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 1000 | | 87.0 | 87.4 | 88.3 | 88.6 | 89.8 | 90.3 | 90.3 | 90.9 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 900 | | 87.2 | 87.7 | 88.5 | 88.9 | 90.1 | 90.5 | 90.5 | 91.2 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 800 | | 87.4 | 87.9 | 88.8 | 89.1 | 90.3 | 90.7 | 90.7 | 91.4 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GF 700 | | 87.6 | 88.0 | 89.0 | 89.3 | 90.6 | 91.0 | 91.0 | 91.7 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GF 600 | | 87.6 | 88.0 | 89.0 | 89.3 | 90.6 | 91.0 | 91.0 | 91.7 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 500 | | 87.8 | 88.2 | 89.2 | 89.5 | 90.8 | 91.5 | 91.5 | 92.1 | 92.8 | 93.0 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GF 400 | | 88.1 | 88.5 | 89.5 | 90.0 | 91.3 | 92.0 | 92.0 | 93.0 | 93.7 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GF 300 | | 89.0 | 89.4 | 90.6 | 91.0 | 92.5 | 93.3 | 93.3 | 94.4 | 95.2 | 95.6 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GF 200 | | 89.2 | 89.6 | 90.9 | 91.5 | 92.9 | 94.3 | 94.5 | 95.7 | 96.7 | 97.3 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 |
| GF 100 | | 89.4 | 89.8 | 91.2 | 91.7 | 93.1 | 94.7 | 94.9 | 96.3 | 97.5 | 98.0 | 99.2 | 99.3 | 99.8 | 99.8 | 100.0 | 100.0 |
| GF 0 | | 89.4 | 89.8 | 91.2 | 91.7 | 93.1 | 94.7 | 94.9 | 96.3 | 97.5 | 98.0 | 99.2 | 99.3 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 69.0 | 68.3 | 69.0 | 69.3 | 69.8 | 70.0 | 70.2 | 71.0 | 71.2 | 71.2 | 71.4 | 71.5 | 71.5 | 71.5 |
| GE 4500 | | | 68.8 | 69.2 | 69.8 | 70.2 | 70.7 | 70.9 | 71.0 | 71.9 | 72.1 | 72.1 | 72.2 | 72.3 | 72.3 | 72.3 |
| GE 4000 | | | 75.6 | 75.9 | 76.9 | 77.2 | 77.8 | 78.0 | 78.2 | 79.1 | 79.3 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 |
| GE 3500 | | | 78.9 | 79.2 | 80.2 | 80.6 | 81.2 | 81.4 | 81.6 | 82.5 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 |
| GE 3000 | | | 82.7 | 83.0 | 84.0 | 84.4 | 85.2 | 85.4 | 85.6 | 86.5 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 |
| GE 2500 | | | 83.9 | 84.2 | 85.2 | 85.6 | 86.4 | 86.6 | 86.8 | 87.7 | 87.9 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 |
| GE 2000 | | | 85.0 | 85.3 | 86.3 | 86.7 | 87.5 | 87.7 | 87.9 | 88.8 | 89.0 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 |
| GE 1800 | | | 85.0 | 85.3 | 86.4 | 86.8 | 87.6 | 87.8 | 88.0 | 88.9 | 89.1 | 89.1 | 89.2 | 89.3 | 89.3 | 89.3 |
| GE 1500 | | | 85.2 | 85.5 | 86.6 | 87.0 | 87.8 | 88.0 | 88.2 | 89.1 | 89.3 | 89.3 | 89.4 | 89.5 | 89.5 | 89.5 |
| GE 1200 | | | 85.9 | 86.3 | 87.4 | 87.8 | 88.6 | 88.8 | 89.0 | 89.9 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 |
| GE 1000 | | | 86.4 | 86.7 | 87.8 | 88.2 | 89.2 | 89.4 | 89.7 | 90.5 | 90.7 | 90.7 | 90.8 | 91.0 | 91.0 | 91.0 |
| GE 900 | | | 86.6 | 86.9 | 88.0 | 88.5 | 89.7 | 89.9 | 90.1 | 91.0 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 |
| GE 800 | | | 86.9 | 87.3 | 88.3 | 88.8 | 90.0 | 90.2 | 90.4 | 91.4 | 91.6 | 91.6 | 92.0 | 92.2 | 92.2 | 92.2 |
| GE 700 | | | 87.0 | 87.4 | 88.5 | 88.9 | 90.2 | 90.4 | 90.6 | 91.6 | 91.8 | 91.8 | 92.3 | 92.4 | 92.4 | 92.4 |
| GE 600 | | | 87.1 | 87.5 | 88.6 | 89.0 | 90.3 | 90.5 | 90.7 | 91.7 | 91.9 | 91.9 | 92.4 | 92.5 | 92.5 | 92.5 |
| GE 500 | | | 87.0 | 88.0 | 89.1 | 89.5 | 90.8 | 91.2 | 91.4 | 92.5 | 92.7 | 92.9 | 93.4 | 93.9 | 93.9 | 93.9 |
| GE 400 | | | 88.1 | 88.6 | 89.7 | 90.1 | 91.4 | 91.7 | 91.9 | 93.1 | 93.4 | 93.6 | 94.8 | 94.9 | 94.9 | 94.9 |
| GE 300 | | | 88.5 | 88.9 | 90.1 | 90.5 | 91.8 | 92.2 | 92.4 | 93.9 | 94.2 | 94.4 | 95.6 | 95.9 | 95.9 | 95.9 |
| GE 200 | | | 88.6 | 89.1 | 90.4 | 90.8 | 92.3 | 92.6 | 93.1 | 95.4 | 96.2 | 96.4 | 98.1 | 98.5 | 99.2 | 99.2 |
| GE 100 | | | 88.6 | 89.1 | 90.4 | 90.8 | 92.3 | 92.9 | 93.5 | 95.9 | 96.6 | 96.8 | 98.6 | 98.9 | 99.9 | 100.0 |
| GE 0 | | | 88.6 | 89.1 | 90.4 | 90.8 | 92.3 | 92.9 | 93.5 | 95.9 | 96.6 | 96.8 | 98.6 | 98.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL] | | | | | | | | | | | | | | | | |
| GE 20000] | | | | | | | | | | | | | | | | |
| GE 18000] | | | | | | | | | | | | | | | | |
| GE 16000] | | | | | | | | | | | | | | | | |
| GE 14000] | | | | | | | | | | | | | | | | |
| GE 12000] | | | | | | | | | | | | | | | | |
| GE 10000] | | | | | | | | | | | | | | | | |
| GE 9000] | | | | | | | | | | | | | | | | |
| GE 8000] | | | | | | | | | | | | | | | | |
| GE 7000] | | | | | | | | | | | | | | | | |
| GE 6000] | | | | | | | | | | | | | | | | |
| GE 5000] | | 64.8 | 65.2 | 65.9 | 66.2 | 66.2 | 66.6 | 66.8 | 67.3 | 67.3 | 67.3 | 67.7 | 67.7 | 67.8 | 67.8 | |
| GE 4500] | | 66.4 | 66.9 | 67.5 | 67.9 | 67.9 | 68.2 | 68.4 | 69.0 | 69.0 | 69.0 | 69.3 | 69.3 | 69.4 | 69.4 | |
| GE 4000] | | 74.6 | 75.1 | 75.7 | 76.1 | 76.4 | 76.7 | 76.9 | 77.5 | 77.6 | 77.6 | 77.9 | 77.9 | 78.0 | 78.0 | |
| GE 3500] | | 78.1 | 78.6 | 79.2 | 79.6 | 80.1 | 80.4 | 80.7 | 81.2 | 81.3 | 81.3 | 81.6 | 81.6 | 81.7 | 81.7 | |
| GE 3000] | | 80.7 | 81.3 | 82.1 | 82.4 | 83.0 | 83.3 | 83.5 | 84.0 | 84.3 | 84.3 | 84.6 | 84.6 | 84.7 | 84.7 | |
| GE 2500] | | 82.1 | 82.7 | 83.5 | 83.8 | 84.4 | 84.7 | 84.9 | 85.5 | 85.7 | 85.7 | 86.0 | 86.0 | 86.1 | 86.1 | |
| GE 2000] | | 82.4 | 83.1 | 83.9 | 84.4 | 84.9 | 85.2 | 85.5 | 86.0 | 86.2 | 86.2 | 86.6 | 86.6 | 86.7 | 86.7 | |
| GE 1800] | | 92.4 | 83.1 | 83.9 | 84.4 | 84.9 | 85.2 | 85.5 | 86.0 | 86.2 | 86.2 | 86.6 | 86.6 | 86.7 | 86.7 | |
| GE 1500] | | 82.6 | 83.3 | 84.2 | 84.6 | 85.1 | 85.5 | 85.7 | 86.2 | 86.4 | 86.4 | 86.8 | 86.8 | 86.9 | 86.9 | |
| GE 1200] | | 83.6 | 84.3 | 85.4 | 85.8 | 86.3 | 86.7 | 86.9 | 87.4 | 87.7 | 87.7 | 88.0 | 88.0 | 88.1 | 88.1 | |
| GE 1000] | | 84.6 | 85.2 | 86.3 | 86.8 | 87.5 | 87.9 | 88.1 | 88.6 | 88.9 | 88.9 | 89.2 | 89.2 | 89.3 | 89.3 | |
| GE 900] | | 84.9 | 85.7 | 86.9 | 87.2 | 88.0 | 88.3 | 88.5 | 89.1 | 89.3 | 89.3 | 89.6 | 89.6 | 89.7 | 89.7 | |
| GE 800] | | 85.0 | 85.8 | 86.9 | 87.3 | 88.1 | 88.4 | 88.6 | 89.2 | 89.4 | 89.4 | 90.1 | 90.1 | 90.2 | 90.2 | |
| GE 700] | | 85.4 | 86.1 | 87.2 | 87.7 | 88.6 | 89.0 | 89.2 | 89.7 | 89.9 | 89.9 | 90.6 | 90.6 | 90.7 | 90.7 | |
| GE 600] | | 95.5 | 96.2 | 87.3 | 87.8 | 88.7 | 89.1 | 89.3 | 89.8 | 90.1 | 90.1 | 90.9 | 90.9 | 91.0 | 91.0 | |
| GE 500] | | 85.7 | 86.4 | 87.5 | 88.0 | 89.1 | 89.5 | 89.7 | 90.3 | 90.5 | 90.6 | 92.0 | 92.0 | 92.1 | 92.1 | |
| GE 400] | | 86.1 | 86.9 | 88.0 | 88.4 | 89.5 | 90.2 | 90.4 | 91.0 | 91.3 | 91.4 | 92.9 | 92.9 | 93.0 | 93.0 | |
| GE 300] | | 86.6 | 87.8 | 88.9 | 89.3 | 90.4 | 91.0 | 91.3 | 92.0 | 92.2 | 92.6 | 94.1 | 94.1 | 94.3 | 94.9 | |
| GE 200] | | 87.0 | 88.0 | 89.4 | 89.8 | 91.0 | 91.8 | 92.1 | 93.1 | 93.1 | 93.9 | 96.4 | 96.4 | 98.0 | 98.7 | |
| GE 100] | | 87.0 | 88.0 | 89.4 | 89.8 | 91.0 | 92.1 | 92.5 | 93.4 | 93.4 | 94.3 | 96.8 | 97.4 | 98.7 | 99.7 | |
| GE 0] | | 87.0 | 88.0 | 89.4 | 89.8 | 91.0 | 92.1 | 92.5 | 93.4 | 93.4 | 94.3 | 96.9 | 97.7 | 99.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS (LST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 65.9 | 66.2 | 66.7 | 66.9 | 67.5 | 67.8 | 68.0 | 68.4 | 68.7 | 68.8 | 69.3 | 69.4 | 69.5 | 69.5 |
| GE 4500 | | | 67.4 | 67.7 | 68.3 | 68.5 | 69.1 | 69.4 | 69.5 | 70.0 | 70.3 | 70.3 | 70.9 | 71.0 | 71.1 | 71.1 |
| GE 4000 | | | 74.2 | 74.6 | 75.2 | 75.5 | 76.2 | 76.5 | 76.6 | 77.1 | 77.4 | 77.4 | 78.0 | 78.1 | 78.2 | 78.2 |
| GE 3500 | | | 77.2 | 77.6 | 78.3 | 78.6 | 79.3 | 79.6 | 79.8 | 80.2 | 80.5 | 80.6 | 81.2 | 81.3 | 81.3 | 81.4 |
| GE 3000 | | | 80.6 | 81.1 | 81.8 | 82.1 | 82.9 | 83.1 | 83.3 | 83.8 | 84.1 | 84.2 | 84.8 | 84.8 | 84.9 | 85.0 |
| GE 2500 | | | 81.8 | 82.3 | 83.0 | 83.3 | 84.1 | 84.4 | 84.5 | 85.0 | 85.3 | 85.4 | 86.0 | 86.1 | 86.1 | 86.2 |
| GE 2000 | | | 82.7 | 83.1 | 83.9 | 84.2 | 85.0 | 85.3 | 85.4 | 85.9 | 86.2 | 86.3 | 86.9 | 87.0 | 87.0 | 87.1 |
| GE 1800 | | | 82.7 | 83.1 | 83.9 | 84.2 | 85.0 | 85.3 | 85.5 | 86.0 | 86.3 | 86.3 | 86.9 | 87.0 | 87.1 | 87.1 |
| GE 1500 | | | 83.0 | 83.9 | 84.2 | 84.5 | 85.3 | 85.6 | 85.8 | 86.3 | 86.6 | 86.7 | 87.3 | 87.4 | 87.5 | 87.5 |
| GE 1200 | | | 83.6 | 84.0 | 84.9 | 85.1 | 85.9 | 86.2 | 86.4 | 86.9 | 87.2 | 87.3 | 87.9 | 88.0 | 88.1 | 88.2 |
| GE 1000 | | | 84.3 | 84.7 | 85.6 | 85.9 | 86.7 | 87.0 | 87.2 | 87.7 | 88.0 | 88.1 | 88.8 | 88.9 | 89.0 | 89.0 |
| GE 900 | | | 84.4 | 84.9 | 85.8 | 86.1 | 86.9 | 87.2 | 87.4 | 88.0 | 88.3 | 88.3 | 89.0 | 89.1 | 89.2 | 89.3 |
| GE 800 | | | 84.8 | 85.3 | 86.1 | 86.4 | 87.3 | 87.6 | 87.8 | 88.4 | 88.7 | 88.8 | 89.6 | 89.7 | 89.8 | 89.8 |
| GE 700 | | | 84.9 | 85.4 | 86.3 | 86.6 | 87.5 | 87.8 | 88.0 | 88.6 | 89.0 | 89.1 | 89.8 | 90.0 | 90.1 | 90.1 |
| GE 600 | | | 85.2 | 85.7 | 86.6 | 86.9 | 87.8 | 88.1 | 88.3 | 89.0 | 89.3 | 89.4 | 90.3 | 90.4 | 90.5 | 90.5 |
| GE 500 | | | 85.6 | 86.2 | 87.1 | 87.4 | 88.4 | 88.8 | 89.0 | 89.7 | 90.1 | 90.3 | 91.5 | 91.7 | 91.8 | 91.8 |
| GE 400 | | | 86.2 | 86.8 | 87.8 | 88.2 | 89.2 | 89.7 | 90.0 | 90.9 | 91.3 | 91.4 | 92.8 | 93.0 | 93.2 | 93.2 |
| GE 300 | | | 86.7 | 87.3 | 88.4 | 88.9 | 90.0 | 90.6 | 90.8 | 92.0 | 92.6 | 92.9 | 94.8 | 95.1 | 95.5 | 95.6 |
| GE 200 | | | 86.9 | 87.6 | 88.8 | 89.3 | 90.5 | 91.3 | 91.7 | 93.1 | 94.0 | 94.3 | 96.8 | 97.3 | 98.3 | 98.6 |
| GE 100 | | | 87.0 | 87.6 | 88.9 | 89.4 | 90.6 | 91.5 | 91.9 | 93.5 | 94.5 | 94.8 | 97.4 | 98.0 | 99.3 | 99.9 |
| GE 0 | | | 87.0 | 87.6 | 88.9 | 89.4 | 90.6 | 91.6 | 92.0 | 93.5 | 94.5 | 94.8 | 97.5 | 98.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7325

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LEST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GF 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 52.1 | 52.3 | 53.2 | 53.2 | 53.4 | 53.9 | 54.0 | 54.2 | 54.3 | 54.3 | 54.5 | 54.6 | 55.4 | 55.7 |
| GE 4500 | | | 54.2 | 54.4 | 55.3 | 55.3 | 55.5 | 55.9 | 56.0 | 56.2 | 56.4 | 56.4 | 56.6 | 56.7 | 57.4 | 57.8 |
| GE 4000 | | | 63.5 | 63.7 | 64.6 | 64.8 | 65.0 | 65.5 | 65.6 | 65.8 | 65.9 | 65.9 | 66.2 | 66.3 | 67.1 | 67.4 |
| GE 3500 | | | 69.2 | 69.5 | 70.6 | 70.6 | 70.8 | 71.2 | 71.3 | 71.6 | 71.7 | 71.7 | 72.0 | 72.1 | 72.9 | 73.2 |
| GE 3000 | | | 77.5 | 73.8 | 74.9 | 74.9 | 75.1 | 75.6 | 75.7 | 75.9 | 76.0 | 76.0 | 76.3 | 76.4 | 77.2 | 77.5 |
| GE 2500 | | | 75.7 | 76.3 | 77.6 | 77.6 | 77.9 | 78.3 | 78.4 | 78.6 | 79.7 | 78.7 | 79.0 | 79.2 | 79.9 | 80.2 |
| GE 2000 | | | 78.6 | 78.6 | 80.3 | 80.3 | 80.6 | 81.0 | 81.1 | 81.3 | 81.4 | 81.4 | 81.9 | 81.9 | 82.6 | 83.0 |
| GE 1800 | | | 78.6 | 78.6 | 80.3 | 80.3 | 80.6 | 81.0 | 81.1 | 81.3 | 81.4 | 81.4 | 81.8 | 81.9 | 82.6 | 83.0 |
| GE 1500 | | | 79.6 | 80.3 | 82.1 | 82.1 | 82.3 | 82.7 | 82.8 | 83.1 | 83.2 | 83.2 | 83.5 | 83.6 | 84.4 | 84.7 |
| GE 1200 | | | 79.9 | 80.7 | 82.4 | 82.4 | 82.6 | 83.1 | 83.2 | 83.4 | 83.5 | 83.5 | 83.8 | 83.9 | 84.7 | 85.0 |
| GE 1000 | | | 80.6 | 81.3 | 83.2 | 83.2 | 83.4 | 83.8 | 83.9 | 84.4 | 84.5 | 84.5 | 84.8 | 84.9 | 85.7 | 86.0 |
| GE 900 | | | 80.6 | 81.3 | 83.2 | 83.2 | 83.4 | 83.8 | 83.9 | 84.4 | 84.5 | 84.5 | 84.9 | 84.9 | 85.7 | 86.0 |
| GE 800 | | | 80.7 | 81.4 | 83.3 | 83.3 | 83.5 | 83.9 | 84.0 | 84.5 | 84.6 | 84.6 | 85.0 | 85.1 | 85.9 | 86.2 |
| GE 700 | | | 80.8 | 81.5 | 83.4 | 83.4 | 83.6 | 84.0 | 84.1 | 84.6 | 84.7 | 84.7 | 85.1 | 85.2 | 86.0 | 86.3 |
| GE 600 | | | 81.9 | 82.6 | 84.7 | 84.7 | 85.1 | 85.6 | 85.7 | 86.2 | 86.3 | 86.3 | 86.9 | 87.0 | 87.7 | 88.1 |
| GE 500 | | | 82.6 | 83.4 | 85.5 | 85.5 | 86.0 | 86.4 | 86.5 | 87.1 | 87.2 | 87.2 | 88.4 | 88.5 | 89.8 | 90.1 |
| GE 400 | | | 83.1 | 84.0 | 86.2 | 86.2 | 86.8 | 87.2 | 87.3 | 87.8 | 87.9 | 87.9 | 89.1 | 89.3 | 90.6 | 90.9 |
| GE 300 | | | 83.7 | 84.6 | 86.8 | 86.8 | 87.3 | 87.7 | 87.8 | 89.4 | 89.7 | 89.7 | 90.1 | 90.3 | 92.4 | 93.1 |
| GE 200 | | | 83.8 | 84.8 | 87.0 | 87.1 | 87.9 | 88.5 | 88.8 | 89.4 | 89.8 | 89.8 | 91.6 | 92.5 | 96.2 | 97.2 |
| GE 100 | | | 83.8 | 84.8 | 87.0 | 87.1 | 87.9 | 88.5 | 88.8 | 89.7 | 90.3 | 90.3 | 92.5 | 93.4 | 97.8 | 99.8 |
| GE 0 | | | 83.8 | 84.8 | 87.0 | 87.1 | 87.9 | 88.5 | 88.8 | 89.7 | 90.4 | 90.4 | 92.6 | 93.5 | 97.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GE

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(EST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|----|----|----|----|----|----|-------|----|-------|-------|----|-----|-----|-----|------|
| IN | FEET | GE | GE | GE | GF | GE | GE | GE | GF | GF | GE | GE | GF | GE | GF | GE | GF |
| | | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 |
| | | | | | | | | | | | | | | | | | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GF 20000 | | | | | | | | | | | | | | | | | |
| GF 18000 | | | | | | | | | | | | | | | | | |
| GF 16000 | | | | | | | | | | | | | | | | | |
| GF 14000 | | | | | | | | | | | | | | | | | |
| GF 12000 | | | | | | | | | | | | | | | | | |
| GF 10000 | | | | | | | | | | | | | | | | | |
| GF 9000 | | | | | | | | | | | | | | | | | |
| GF 8000 | | | | | | | | | | | | | | | | | |
| GF 7000 | | | | | | | | | | | | | | | | | |
| GF 6000 | | | | | | | | | | | | | | | | | |
| GF 5000 | | | | | | | | | | | | | | | | | |
| GF 4500 | | | | | | | | | | | | | | | | | |
| GF 4000 | | | | | | | | | | | | | | | | | |
| GF 3500 | | | | | | | | | | | | | | | | | |
| GF 3000 | | | | | | | | | | | | | | | | | |
| GF 2500 | | | | | | | | | | | | | | | | | |
| GF 2000 | | | | | | | | | | | | | | | | | |
| GF 1800 | | | | | | | | | | | | | | | | | |
| GF 1500 | | | | | | | | | | | | | | | | | |
| GF 1200 | | | | | | | | | | | | | | | | | |
| GF 1000 | | | | | | | | | | | | | | | | | |
| GF 900 | | | | | | | | | | | | | | | | | |
| GF 800 | | | | | | | | | | | | | | | | | |
| GF 700 | | | | | | | | | | | | | | | | | |
| GF 600 | | | | | | | | | | | | | | | | | |
| GF 500 | | | | | | | | | | | | | | | | | |
| GF 400 | | | | | | | | | | | | | | | | | |
| GF 300 | | | | | | | | | | | | | | | | | |
| GF 200 | | | | | | | | | | | | | | | | | |
| GF 100 | | | | | | | | | | | | | | | | | |
| GF 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

MONTH: AUG HOURS(EST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 55.9 | 56.3 | 56.4 | 56.4 | 56.6 | 57.1 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 | 58.0 | 58.0 | 58.4 | 58.6 |
| GE 4500 | | | 57.0 | 57.4 | 57.5 | 57.5 | 57.6 | 58.2 | 58.2 | 58.6 | 58.6 | 58.6 | 58.6 | 59.0 | 59.0 | 59.5 | 59.7 |
| GE 4000 | | | 64.7 | 65.2 | 65.5 | 65.5 | 65.7 | 66.2 | 66.2 | 66.6 | 66.6 | 66.6 | 66.6 | 67.1 | 67.1 | 67.5 | 67.8 |
| GE 3500 | | | 70.7 | 71.3 | 71.8 | 71.8 | 71.9 | 72.5 | 72.5 | 72.9 | 72.9 | 72.9 | 72.9 | 73.3 | 73.3 | 73.8 | 74.1 |
| GE 3000 | | | 75.2 | 75.9 | 76.4 | 76.4 | 76.6 | 77.2 | 77.2 | 77.6 | 77.6 | 77.6 | 77.6 | 78.1 | 78.1 | 78.5 | 78.8 |
| GE 2500 | | | 74.5 | 75.2 | 75.7 | 75.8 | 76.1 | 76.6 | 76.6 | 77.0 | 77.0 | 77.0 | 77.0 | 77.5 | 77.5 | 77.9 | 78.2 |
| GE 2000 | | | 77.1 | 77.8 | 78.3 | 78.4 | 78.7 | 79.2 | 79.2 | 79.6 | 79.6 | 79.6 | 79.6 | 80.1 | 80.1 | 80.6 | 80.9 |
| GE 1800 | | | 77.1 | 77.9 | 78.4 | 78.5 | 78.8 | 79.3 | 79.3 | 79.7 | 79.7 | 79.7 | 79.7 | 80.2 | 80.2 | 80.7 | 81.0 |
| GE 1500 | | | 79.2 | 79.8 | 80.7 | 80.8 | 81.0 | 81.7 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.7 | 82.7 | 83.2 | 83.5 |
| GE 1200 | | | 79.0 | 80.3 | 81.1 | 81.3 | 81.5 | 82.1 | 82.1 | 82.6 | 82.6 | 82.6 | 82.6 | 83.1 | 83.1 | 83.6 | 84.0 |
| GE 1000 | | | 80.0 | 80.9 | 81.8 | 81.9 | 82.3 | 83.0 | 83.0 | 83.4 | 83.4 | 83.4 | 83.4 | 84.0 | 84.0 | 84.5 | 84.8 |
| GE 900 | | | 80.4 | 81.4 | 82.2 | 82.3 | 82.8 | 83.4 | 83.4 | 83.9 | 83.9 | 83.9 | 83.9 | 84.4 | 84.4 | 84.9 | 85.3 |
| GE 800 | | | 80.7 | 81.7 | 82.6 | 82.7 | 83.1 | 83.7 | 83.7 | 84.3 | 84.3 | 84.3 | 84.3 | 84.8 | 84.8 | 85.4 | 85.7 |
| GE 700 | | | 81.1 | 82.1 | 83.0 | 83.1 | 83.5 | 84.4 | 84.4 | 84.9 | 84.9 | 84.9 | 84.9 | 85.5 | 85.5 | 86.0 | 86.3 |
| GE 600 | | | 81.8 | 82.8 | 83.6 | 83.7 | 84.2 | 85.4 | 85.5 | 86.0 | 86.0 | 86.0 | 86.0 | 86.6 | 86.6 | 87.1 | 87.4 |
| GE 500 | | | 81.9 | 82.9 | 83.9 | 84.0 | 84.4 | 85.7 | 86.1 | 86.7 | 86.9 | 86.9 | 86.9 | 87.9 | 87.8 | 88.3 | 88.6 |
| GE 400 | | | 82.2 | 83.3 | 84.4 | 84.5 | 84.9 | 86.2 | 86.7 | 87.2 | 87.4 | 87.4 | 87.4 | 88.6 | 88.8 | 89.7 | 90.2 |
| GE 300 | | | 85.1 | 84.2 | 85.5 | 85.6 | 86.1 | 87.5 | 88.0 | 88.8 | 89.1 | 89.1 | 89.1 | 90.9 | 91.1 | 92.4 | 93.3 |
| GE 200 | | | 83.0 | 84.7 | 86.0 | 86.1 | 86.8 | 88.6 | 89.2 | 90.1 | 90.8 | 90.8 | 90.8 | 92.7 | 93.3 | 95.9 | 97.2 |
| GE 100 | | | 83.0 | 84.7 | 86.1 | 86.2 | 86.9 | 88.7 | 89.3 | 90.2 | 90.9 | 90.9 | 90.9 | 93.2 | 93.7 | 97.1 | 99.8 |
| GE 0 | | | 93.0 | 84.7 | 86.1 | 86.2 | 86.9 | 88.7 | 89.3 | 90.2 | 90.9 | 90.9 | 90.9 | 93.3 | 93.8 | 97.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS (LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|----|----|----|----|-------|----|-------|-------|----|-----|-----|-----|------|-----|----|
| IN | FEET | GE | GE | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF |
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GF | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GF | 16000 | | | | | | | | | | | | | | | | |
| GF | 14000 | | | | | | | | | | | | | | | | |
| GF | 12000 | | | | | | | | | | | | | | | | |
| GF | 10000 | | | | | | | | | | | | | | | | |
| GF | 9000 | | | | | | | | | | | | | | | | |
| GF | 8000 | | | | | | | | | | | | | | | | |
| GF | 7000 | | | | | | | | | | | | | | | | |
| GF | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | | | | | | | | | | | | | | |
| GE | 4500 | | | | | | | | | | | | | | | | |
| GF | 4000 | | | | | | | | | | | | | | | | |
| GF | 3500 | | | | | | | | | | | | | | | | |
| GF | 3000 | | | | | | | | | | | | | | | | |
| GF | 2500 | | | | | | | | | | | | | | | | |
| GF | 2000 | | | | | | | | | | | | | | | | |
| GF | 1800 | | | | | | | | | | | | | | | | |
| GF | 1500 | | | | | | | | | | | | | | | | |
| GF | 1200 | | | | | | | | | | | | | | | | |
| GF | 1000 | | | | | | | | | | | | | | | | |
| GF | 900 | | | | | | | | | | | | | | | | |
| GF | 800 | | | | | | | | | | | | | | | | |
| GF | 700 | | | | | | | | | | | | | | | | |
| GF | 600 | | | | | | | | | | | | | | | | |
| GF | 500 | | | | | | | | | | | | | | | | |
| GF | 400 | | | | | | | | | | | | | | | | |
| GF | 300 | | | | | | | | | | | | | | | | |
| GF | 200 | | | | | | | | | | | | | | | | |
| GF | 100 | | | | | | | | | | | | | | | | |
| GF | 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS/SET: 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 60.6 | 61.2 | 61.4 | 61.4 | 61.7 | 61.9 | 61.9 | 62.3 | 62.7 | 62.7 | 62.8 | 62.8 | 63.0 | 63.3 |
| GE 4500 | | | 61.9 | 62.3 | 62.5 | 62.5 | 62.8 | 63.0 | 63.0 | 63.3 | 63.8 | 63.8 | 63.9 | 63.9 | 64.1 | 64.4 |
| GE 4000 | | | 68.2 | 68.5 | 68.7 | 68.7 | 69.0 | 69.3 | 69.3 | 69.6 | 70.0 | 70.0 | 70.1 | 70.1 | 70.4 | 70.7 |
| GE 3500 | | | 74.0 | 74.3 | 74.5 | 74.5 | 74.8 | 75.1 | 75.1 | 75.4 | 75.8 | 75.8 | 75.9 | 75.9 | 76.1 | 76.5 |
| GE 3000 | | | 78.6 | 79.0 | 79.2 | 79.2 | 79.6 | 79.9 | 79.9 | 80.2 | 80.6 | 80.6 | 80.7 | 80.7 | 81.0 | 81.3 |
| GE 2500 | | | 80.9 | 81.3 | 81.5 | 81.7 | 82.2 | 82.4 | 82.4 | 82.7 | 83.1 | 83.1 | 83.3 | 83.3 | 83.5 | 83.8 |
| GE 2000 | | | 83.9 | 84.5 | 84.8 | 85.0 | 85.4 | 85.9 | 85.9 | 86.2 | 86.7 | 86.7 | 86.8 | 86.8 | 87.0 | 87.3 |
| GE 1800 | | | 83.9 | 84.5 | 84.8 | 85.0 | 85.4 | 85.9 | 85.9 | 86.2 | 86.7 | 86.7 | 86.8 | 86.8 | 87.0 | 87.3 |
| GE 1500 | | | 84.7 | 85.2 | 85.6 | 85.8 | 86.2 | 86.7 | 86.7 | 87.0 | 87.4 | 87.4 | 87.5 | 87.5 | 87.7 | 88.1 |
| GE 1200 | | | 85.7 | 86.2 | 86.5 | 86.8 | 87.2 | 87.6 | 87.6 | 88.0 | 88.4 | 88.4 | 88.5 | 88.5 | 88.7 | 89.1 |
| GE 1000 | | | 86.5 | 87.1 | 87.4 | 87.6 | 88.1 | 88.6 | 88.6 | 88.9 | 89.4 | 89.4 | 89.5 | 89.5 | 89.7 | 90.0 |
| GE 900 | | | 86.9 | 87.4 | 87.7 | 88.1 | 88.5 | 89.1 | 89.1 | 89.4 | 89.9 | 89.9 | 89.9 | 89.9 | 90.2 | 90.5 |
| GE 800 | | | 87.1 | 87.6 | 88.0 | 88.3 | 88.7 | 89.3 | 89.3 | 89.6 | 90.0 | 90.0 | 90.2 | 90.2 | 90.4 | 90.7 |
| GE 700 | | | 87.6 | 88.2 | 88.5 | 88.6 | 89.3 | 89.8 | 89.8 | 90.2 | 90.6 | 90.6 | 90.7 | 90.7 | 90.9 | 91.2 |
| GE 600 | | | 87.9 | 88.4 | 88.8 | 89.2 | 89.7 | 90.4 | 90.4 | 90.7 | 91.1 | 91.1 | 91.2 | 91.2 | 91.5 | 91.8 |
| GE 500 | | | 88.6 | 89.0 | 90.0 | 90.4 | 90.9 | 91.6 | 91.7 | 92.0 | 92.5 | 92.5 | 93.0 | 93.0 | 93.2 | 93.5 |
| GE 400 | | | 89.2 | 89.9 | 90.5 | 90.8 | 91.4 | 92.3 | 92.5 | 92.8 | 93.5 | 93.5 | 94.2 | 94.2 | 94.5 | 94.9 |
| GE 300 | | | 89.6 | 90.5 | 91.1 | 91.5 | 92.1 | 93.4 | 93.5 | 94.1 | 95.1 | 95.2 | 95.8 | 95.8 | 96.3 | 96.6 |
| GE 200 | | | 89.6 | 90.7 | 91.6 | 92.0 | 92.9 | 94.3 | 94.4 | 95.4 | 96.5 | 96.6 | 98.1 | 98.2 | 99.1 | 99.5 |
| GE 100 | | | 89.8 | 90.9 | 91.8 | 92.2 | 93.1 | 94.5 | 94.6 | 95.6 | 96.7 | 96.8 | 98.4 | 98.6 | 99.6 | 99.9 |
| GE 0 | | | 89.7 | 90.9 | 91.8 | 92.2 | 93.1 | 94.5 | 94.6 | 95.6 | 96.7 | 96.8 | 98.4 | 98.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 214

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(IST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FLEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CELL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 58.5 | 58.6 | 58.7 | 58.7 | 59.1 | 59.2 | 59.2 | 59.4 | 59.5 | 59.6 | 59.9 | 60.1 | 60.1 | 60.1 | |
| GE 4500 | | | 60.2 | 60.3 | 60.4 | 60.4 | 60.7 | 60.8 | 60.8 | 61.1 | 61.2 | 61.3 | 61.5 | 61.7 | 61.7 | 61.7 | |
| GE 4000 | | | 65.3 | 65.4 | 65.5 | 65.5 | 65.8 | 65.9 | 65.9 | 66.2 | 66.3 | 66.4 | 66.6 | 66.8 | 66.8 | 66.8 | |
| GE 3500 | | | 74.7 | 74.8 | 74.9 | 74.9 | 75.2 | 75.3 | 75.3 | 75.6 | 75.7 | 75.8 | 76.0 | 76.2 | 76.2 | 76.2 | |
| GE 3000 | | | 78.2 | 78.3 | 78.4 | 78.4 | 78.6 | 79.0 | 79.0 | 79.2 | 79.3 | 79.4 | 79.6 | 79.9 | 80.0 | 80.0 | |
| GE 2500 | | | 80.3 | 80.4 | 80.5 | 80.8 | 81.1 | 81.3 | 81.3 | 81.5 | 81.6 | 81.7 | 82.0 | 82.2 | 82.3 | 82.3 | |
| GE 2000 | | | 82.9 | 83.1 | 83.5 | 83.5 | 84.0 | 84.2 | 84.2 | 84.4 | 84.5 | 84.6 | 84.8 | 85.1 | 85.2 | 85.2 | |
| GE 1800 | | | 82.9 | 83.1 | 83.5 | 83.5 | 84.1 | 84.3 | 84.3 | 84.5 | 84.6 | 84.7 | 85.0 | 85.2 | 85.3 | 85.3 | |
| GE 1500 | | | 83.5 | 83.7 | 84.2 | 84.2 | 84.7 | 85.0 | 85.0 | 85.2 | 85.3 | 85.4 | 85.6 | 85.8 | 86.0 | 86.0 | |
| GE 1200 | | | 84.0 | 84.2 | 84.6 | 84.6 | 85.3 | 85.5 | 85.5 | 85.7 | 85.8 | 86.0 | 86.3 | 86.5 | 86.6 | 86.6 | |
| GE 1000 | | | 85.2 | 85.4 | 85.8 | 86.0 | 86.7 | 87.1 | 87.1 | 87.6 | 87.7 | 87.8 | 88.2 | 88.4 | 88.5 | 88.5 | |
| GE 900 | | | 85.4 | 85.6 | 86.1 | 86.2 | 86.9 | 87.4 | 87.4 | 87.9 | 88.1 | 88.2 | 88.5 | 88.7 | 88.8 | 88.8 | |
| GE 800 | | | 85.6 | 86.2 | 86.6 | 86.7 | 87.5 | 87.9 | 87.9 | 88.5 | 88.6 | 88.7 | 89.2 | 89.4 | 89.5 | 89.5 | |
| GE 700 | | | 86.2 | 86.6 | 87.1 | 87.2 | 87.9 | 88.4 | 88.4 | 88.9 | 89.0 | 89.2 | 89.6 | 89.8 | 89.9 | 89.9 | |
| GE 600 | | | 86.7 | 87.3 | 87.7 | 87.8 | 88.7 | 89.3 | 89.3 | 89.9 | 90.0 | 90.2 | 90.6 | 90.8 | 90.9 | 90.9 | |
| GE 500 | | | 87.4 | 87.9 | 88.4 | 88.5 | 89.4 | 89.9 | 89.9 | 90.6 | 90.7 | 90.8 | 91.6 | 91.8 | 91.9 | 91.9 | |
| GE 400 | | | 87.6 | 88.2 | 88.7 | 88.8 | 89.7 | 90.7 | 90.8 | 91.5 | 92.0 | 92.1 | 93.3 | 93.5 | 93.6 | 93.6 | |
| GE 300 | | | 88.6 | 89.2 | 90.3 | 90.5 | 91.5 | 92.5 | 92.6 | 93.4 | 94.4 | 94.5 | 95.9 | 96.1 | 96.3 | 96.3 | |
| GE 200 | | | 88.9 | 89.6 | 90.3 | 91.0 | 92.1 | 93.1 | 93.4 | 94.7 | 95.7 | 95.8 | 98.1 | 98.3 | 99.1 | 99.1 | |
| GE 100 | | | 88.9 | 89.6 | 90.8 | 91.0 | 92.1 | 93.3 | 93.5 | 94.9 | 95.9 | 96.0 | 98.5 | 98.8 | 99.8 | 100.0 | |
| GE 0 | | | 89.9 | 89.6 | 90.8 | 91.0 | 92.1 | 93.3 | 93.5 | 94.9 | 95.9 | 96.0 | 98.5 | 98.8 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 204

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(EST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|------|------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | 58.5 | 58.5 | 58.7 | 58.7 | 59.4 | 59.6 | 59.7 | 60.0 | 60.0 | 60.0 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 4500 | | 60.9 | 60.9 | 61.0 | 61.0 | 61.8 | 62.0 | 62.1 | 62.4 | 62.4 | 62.4 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 4000 | | 66.8 | 66.8 | 66.8 | 66.9 | 67.7 | 67.9 | 68.0 | 68.2 | 68.2 | 68.2 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 3500 | | 75.2 | 75.2 | 75.3 | 75.3 | 76.1 | 76.3 | 76.4 | 76.7 | 76.7 | 76.7 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 3000 | | 78.1 | 78.2 | 78.3 | 78.3 | 79.1 | 79.3 | 79.4 | 79.8 | 79.8 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 2500 | | 80.2 | 80.3 | 80.4 | 80.4 | 81.5 | 81.7 | 81.8 | 82.2 | 82.2 | 82.2 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 2000 | | 81.6 | 81.7 | 81.8 | 81.8 | 82.9 | 83.1 | 83.2 | 83.6 | 83.6 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 1800 | | 81.6 | 81.7 | 81.8 | 81.8 | 82.9 | 83.1 | 83.2 | 83.6 | 83.6 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 1500 | | 81.9 | 82.0 | 82.2 | 82.3 | 83.4 | 83.6 | 83.7 | 84.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 1200 | | 82.9 | 83.0 | 83.4 | 83.5 | 84.5 | 84.8 | 84.9 | 85.2 | 85.2 | 85.2 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 1000 | | 83.9 | 84.0 | 84.3 | 84.4 | 85.6 | 86.1 | 86.2 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 900 | | 84.2 | 84.3 | 84.7 | 84.8 | 86.0 | 86.4 | 86.5 | 87.4 | 87.4 | 87.4 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 800 | | 84.7 | 84.8 | 85.1 | 85.2 | 86.4 | 86.8 | 86.9 | 87.6 | 87.6 | 87.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 700 | | 84.7 | 84.9 | 85.2 | 85.4 | 86.6 | 87.1 | 87.2 | 88.0 | 88.0 | 88.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 600 | | 85.4 | 85.6 | 86.2 | 86.4 | 87.7 | 88.1 | 88.2 | 89.1 | 89.1 | 89.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 500 | | 86.0 | 86.8 | 87.5 | 87.7 | 89.0 | 89.4 | 89.6 | 90.4 | 90.4 | 90.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 400 | | 86.9 | 87.3 | 87.9 | 88.1 | 89.6 | 90.2 | 90.3 | 91.4 | 91.4 | 91.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 300 | | 87.7 | 88.1 | 88.8 | 89.0 | 90.4 | 91.1 | 91.3 | 92.4 | 92.4 | 92.4 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 200 | | 88.1 | 88.7 | 89.4 | 89.7 | 91.2 | 91.8 | 92.1 | 93.3 | 93.3 | 93.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 100 | | 88.1 | 88.8 | 89.6 | 89.8 | 91.3 | 91.9 | 92.2 | 93.4 | 93.4 | 93.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 0 | | 88.2 | 88.8 | 89.6 | 89.8 | 91.3 | 91.9 | 92.2 | 93.6 | 93.6 | 93.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042027 STATION NAME: THULE AF GL

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(EST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|----|----|----|----|----|----|-----|----|----|-----|----|-----|----|-----|-----|-----|------|
| IN | FEET | 1 | GE | GE | GE | GF | GE | GE | GE | GE | GF | GF | GF | GE | GE | GE | GF | GE | GF |
| | | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1/2 | 2 | 1 | 1/2 | 1 | 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 |
| | | | | | | | | | | | | | | | | | | | |
| NO CELL | | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(IST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|--|-----------------------------|------|------|------|------|------|----------|----------|------|--------|--------|--------|---------|--------|------|-------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CELL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | 56.7 | 57.0 | 57.4 | 57.4 | 57.7 | 58.0 | 58.0 | 58.4 | 58.5 | 58.5 | 58.9 | 58.9 | 59.3 | 59.4 |
| GE 4500 | | | | 58.4 | 58.7 | 59.1 | 59.1 | 59.4 | 59.7 | 59.7 | 60.1 | 60.2 | 60.2 | 60.6 | 60.6 | 61.0 | 61.1 |
| GE 4000 | | | | 65.6 | 66.0 | 66.4 | 66.4 | 66.8 | 67.1 | 67.1 | 67.4 | 67.5 | 67.5 | 67.9 | 68.0 | 68.4 | 68.5 |
| GE 3500 | | | | 72.2 | 72.6 | 73.1 | 73.1 | 73.4 | 73.7 | 73.7 | 74.1 | 74.2 | 74.2 | 74.6 | 74.7 | 75.0 | 75.2 |
| GE 3000 | | | | 75.7 | 76.2 | 76.7 | 76.7 | 77.1 | 77.4 | 77.4 | 77.7 | 77.8 | 77.9 | 78.3 | 78.3 | 78.7 | 78.9 |
| GE 2500 | | | | 77.7 | 78.3 | 78.8 | 78.9 | 79.4 | 79.7 | 79.7 | 80.1 | 80.2 | 80.2 | 80.6 | 80.7 | 81.1 | 81.2 |
| GE 2000 | | | | 80.0 | 80.6 | 81.3 | 81.3 | 81.8 | 82.2 | 82.2 | 82.6 | 82.7 | 82.7 | 83.1 | 83.2 | 83.6 | 83.8 |
| GE 1800 | | | | 80.1 | 80.7 | 81.3 | 81.4 | 81.9 | 82.3 | 82.3 | 82.7 | 82.8 | 82.8 | 83.2 | 83.3 | 83.7 | 83.8 |
| GE 1500 | | | | 81.1 | 81.7 | 82.4 | 82.5 | 83.0 | 83.4 | 83.4 | 83.8 | 83.9 | 84.0 | 84.4 | 84.4 | 84.9 | 85.0 |
| GE 1200 | | | | 81.7 | 82.4 | 83.1 | 83.2 | 83.8 | 84.1 | 84.2 | 84.5 | 84.6 | 84.7 | 85.1 | 85.2 | 85.6 | 85.8 |
| GE 1000 | | | | 82.5 | 83.2 | 84.0 | 84.1 | 84.8 | 85.2 | 85.3 | 85.8 | 85.9 | 86.0 | 86.4 | 86.5 | 86.9 | 87.1 |
| GE 900 | | | | 82.8 | 83.5 | 84.3 | 84.4 | 85.0 | 85.5 | 85.5 | 86.1 | 86.2 | 86.2 | 86.7 | 86.8 | 87.2 | 87.3 |
| GE 800 | | | | 83.2 | 83.9 | 84.6 | 84.9 | 85.5 | 86.0 | 86.1 | 86.6 | 86.7 | 86.8 | 87.3 | 87.4 | 87.8 | 88.0 |
| GE 700 | | | | 83.5 | 84.3 | 85.1 | 85.2 | 85.9 | 86.4 | 86.5 | 87.0 | 87.1 | 87.2 | 87.8 | 87.8 | 88.2 | 88.4 |
| GE 600 | | | | 84.2 | 84.9 | 85.9 | 86.0 | 86.8 | 87.5 | 87.5 | 88.1 | 88.2 | 88.3 | 89.0 | 89.0 | 89.5 | 89.6 |
| GE 500 | | | | 84.8 | 85.6 | 86.6 | 86.7 | 87.6 | 88.2 | 88.4 | 89.0 | 89.2 | 89.2 | 90.4 | 90.5 | 91.0 | 91.1 |
| GE 400 | | | | 85.2 | 86.0 | 87.1 | 87.3 | 88.1 | 88.9 | 89.1 | 89.7 | 90.0 | 90.1 | 91.5 | 91.6 | 92.2 | 92.4 |
| GE 300 | | | | 85.9 | 86.8 | 88.0 | 88.2 | 89.2 | 90.0 | 90.2 | 91.0 | 91.4 | 91.5 | 93.2 | 93.4 | 94.5 | 94.8 |
| GE 200 | | | | 86.4 | 87.1 | 88.4 | 88.6 | 89.8 | 90.9 | 91.1 | 92.1 | 92.7 | 92.8 | 95.1 | 95.6 | 97.7 | 98.2 |
| GE 100 | | | | 86.2 | 87.2 | 88.5 | 88.7 | 89.9 | 91.0 | 91.2 | 92.3 | 92.9 | 93.0 | 95.6 | 96.1 | 98.8 | 99.9 |
| GE C | | | | 86.2 | 87.2 | 88.5 | 88.7 | 89.9 | 91.0 | 91.2 | 92.4 | 93.0 | 93.1 | 95.7 | 96.2 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7315

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LOCAL): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | 69.4 | 69.9 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 4500 | | 71.0 | 71.4 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 4000 | | 79.8 | 80.2 | 80.3 | 80.3 | 80.4 | 80.5 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 3500 | | 85.0 | 85.8 | 85.9 | 85.9 | 86.3 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 3000 | | 88.3 | 89.1 | 89.4 | 89.4 | 89.8 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 2500 | | 88.8 | 89.7 | 90.0 | 90.0 | 90.3 | 90.4 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 2000 | | 91.7 | 92.9 | 93.3 | 93.3 | 93.6 | 93.7 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 1800 | | 91.7 | 92.9 | 93.3 | 93.3 | 93.6 | 93.7 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 1500 | | 91.8 | 93.0 | 93.7 | 93.7 | 94.2 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 1200 | | 91.9 | 93.1 | 93.8 | 94.0 | 94.6 | 94.7 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 1000 | | 92.2 | 93.6 | 94.6 | 94.8 | 95.4 | 95.6 | 95.8 | 96.4 | 96.4 | 96.4 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 900 | | 92.2 | 93.6 | 94.6 | 94.8 | 95.4 | 95.7 | 96.0 | 96.5 | 96.5 | 96.5 | 96.5 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 800 | | 92.2 | 93.6 | 94.6 | 94.8 | 95.4 | 95.7 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 700 | | 92.2 | 93.6 | 94.6 | 94.8 | 95.4 | 95.7 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 600 | | 92.7 | 94.0 | 95.1 | 95.3 | 95.8 | 96.2 | 96.4 | 97.1 | 97.1 | 97.1 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 500 | | 92.8 | 94.2 | 95.2 | 95.4 | 96.0 | 96.3 | 96.5 | 97.2 | 97.2 | 97.2 | 97.3 | 98.0 | 98.0 | 98.2 | 98.2 |
| GE 400 | | 92.8 | 94.3 | 95.3 | 95.5 | 96.1 | 96.5 | 96.7 | 97.4 | 97.4 | 97.4 | 97.5 | 98.5 | 98.5 | 98.8 | 98.8 |
| GE 300 | | 92.8 | 94.3 | 95.3 | 95.5 | 96.1 | 96.5 | 96.7 | 97.4 | 97.4 | 97.4 | 97.5 | 98.7 | 98.8 | 99.0 | 99.2 |
| GE 200 | | 92.8 | 94.3 | 95.3 | 95.5 | 96.1 | 96.6 | 96.9 | 97.8 | 97.9 | 98.0 | 98.0 | 99.1 | 99.3 | 99.6 | 99.6 |
| GE 100 | | 92.8 | 94.3 | 95.3 | 95.5 | 96.1 | 96.6 | 96.9 | 98.1 | 98.2 | 98.3 | 98.3 | 99.4 | 99.7 | 100.0 | 100.0 |
| GE 0 | | 92.8 | 94.3 | 95.3 | 95.5 | 96.1 | 96.6 | 96.9 | 98.1 | 98.2 | 98.3 | 98.3 | 99.4 | 99.7 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FLEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | 69.9 | 70.0 | 70.1 | 70.5 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.3 | 71.4 | 71.5 | 71.6 | |
| GE 4500 | | 72.6 | 72.1 | 72.2 | 72.7 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.5 | 73.6 | 73.7 | 73.9 | |
| GE 4000 | | 79.2 | 79.4 | 79.5 | 80.0 | 80.3 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 81.1 | 81.2 | 81.3 | 81.6 | |
| GE 3500 | | 85.0 | 85.3 | 85.4 | 86.1 | 86.4 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 87.2 | 87.3 | 87.4 | 87.6 | |
| GE 3000 | | 87.9 | 88.2 | 88.4 | 89.1 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.4 | 90.7 | 90.8 | 91.0 | |
| GE 2500 | | 88.8 | 89.1 | 89.3 | 90.0 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.3 | 91.6 | 91.7 | 91.9 | |
| GE 2000 | | 90.8 | 91.1 | 91.3 | 92.1 | 92.7 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.6 | 93.8 | 93.9 | 94.2 | |
| GE 1800 | | 90.9 | 91.2 | 91.5 | 92.2 | 92.8 | 93.0 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.7 | 93.9 | 94.0 | 94.3 | |
| GE 1500 | | 91.3 | 91.9 | 92.6 | 93.4 | 94.0 | 94.3 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.2 | 95.4 | 95.5 | 95.7 | |
| GE 1200 | | 91.7 | 92.4 | 93.0 | 94.0 | 94.7 | 94.9 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.8 | 96.1 | 96.2 | 96.4 | |
| GE 1000 | | 91.9 | 92.6 | 93.5 | 94.5 | 95.3 | 95.7 | 95.8 | 96.4 | 96.4 | 96.4 | 96.4 | 96.9 | 97.1 | 97.2 | 97.4 | |
| GE 900 | | 91.9 | 92.6 | 93.5 | 94.5 | 95.3 | 95.7 | 95.8 | 96.4 | 96.4 | 96.4 | 96.4 | 96.9 | 97.1 | 97.2 | 97.4 | |
| GE 800 | | 91.9 | 92.6 | 93.5 | 94.5 | 95.3 | 95.7 | 95.8 | 96.4 | 96.4 | 96.4 | 96.4 | 97.0 | 97.2 | 97.3 | 97.5 | |
| GE 700 | | 91.9 | 92.6 | 93.5 | 94.5 | 95.3 | 95.7 | 95.8 | 96.4 | 96.4 | 96.4 | 96.4 | 97.0 | 97.2 | 97.3 | 97.5 | |
| GE 600 | | 92.0 | 92.7 | 93.6 | 94.6 | 95.4 | 95.8 | 96.0 | 96.5 | 96.5 | 96.5 | 96.5 | 97.1 | 97.3 | 97.4 | 97.6 | |
| GE 500 | | 92.2 | 92.9 | 93.8 | 94.8 | 95.6 | 96.1 | 96.3 | 96.9 | 96.9 | 96.9 | 96.9 | 97.5 | 97.8 | 97.9 | 98.1 | |
| GE 400 | | 92.2 | 92.9 | 93.8 | 94.8 | 95.6 | 96.1 | 96.3 | 97.0 | 97.0 | 97.0 | 97.0 | 97.8 | 98.1 | 98.3 | 98.5 | |
| GE 300 | | 92.2 | 92.9 | 93.8 | 94.8 | 95.6 | 96.1 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 98.2 | 98.5 | 98.8 | 99.0 | |
| GE 200 | | 92.2 | 92.9 | 93.8 | 94.8 | 95.8 | 96.3 | 96.5 | 97.4 | 97.4 | 97.4 | 97.4 | 98.8 | 99.1 | 99.3 | 99.6 | |
| GE 100 | | 92.2 | 92.9 | 93.8 | 94.8 | 95.8 | 96.3 | 96.5 | 97.6 | 97.6 | 97.6 | 97.6 | 99.1 | 99.4 | 99.8 | 100.0 | |
| GE 0 | | 92.2 | 92.9 | 93.8 | 94.8 | 95.8 | 96.3 | 96.5 | 97.6 | 97.6 | 97.6 | 97.6 | 99.1 | 99.4 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(EST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 71.3 | 71.3 | 71.4 | 71.4 | 71.6 | 72.1 | 72.1 | 72.2 | 72.4 | 72.4 | 72.7 | 72.7 | 72.9 | 73.2 |
| GE | 4500 | | | 72.3 | 72.3 | 72.4 | 72.4 | 72.6 | 73.1 | 73.1 | 73.2 | 73.4 | 73.4 | 73.8 | 73.8 | 73.9 | 74.2 |
| GE | 4000 | | | 80.2 | 80.2 | 80.5 | 80.7 | 81.0 | 81.5 | 81.5 | 81.6 | 81.9 | 81.9 | 82.2 | 82.2 | 82.3 | 82.7 |
| GE | 3500 | | | 84.7 | 84.9 | 85.4 | 85.7 | 85.9 | 86.5 | 86.5 | 86.6 | 86.8 | 86.8 | 87.2 | 87.2 | 87.3 | 87.6 |
| GE | 3000 | | | 87.4 | 87.6 | 88.5 | 88.9 | 89.1 | 89.6 | 89.6 | 89.8 | 90.0 | 90.0 | 90.3 | 90.3 | 90.4 | 90.8 |
| GE | 2500 | | | 88.7 | 89.0 | 89.9 | 90.3 | 90.7 | 91.4 | 91.4 | 91.6 | 91.8 | 91.8 | 92.1 | 92.1 | 92.2 | 92.6 |
| GE | 2000 | | | 89.6 | 89.9 | 91.0 | 91.4 | 91.8 | 92.6 | 92.6 | 92.8 | 93.0 | 93.0 | 93.4 | 93.4 | 93.5 | 93.8 |
| GE | 1800 | | | 89.8 | 90.0 | 91.1 | 91.6 | 91.9 | 92.7 | 92.7 | 92.9 | 93.1 | 93.1 | 93.5 | 93.5 | 93.6 | 93.9 |
| GE | 1500 | | | 90.9 | 91.2 | 92.5 | 92.9 | 93.4 | 94.1 | 94.1 | 94.4 | 94.6 | 94.6 | 94.9 | 94.9 | 95.0 | 95.4 |
| GE | 1200 | | | 91.3 | 91.7 | 92.9 | 93.4 | 93.8 | 94.6 | 94.6 | 94.9 | 95.2 | 95.2 | 95.5 | 95.5 | 95.6 | 95.9 |
| GE | 1000 | | | 91.3 | 91.7 | 92.9 | 93.5 | 94.3 | 95.0 | 95.0 | 95.7 | 96.1 | 96.1 | 96.5 | 96.5 | 96.6 | 97.0 |
| GE | 900 | | | 91.3 | 91.7 | 92.9 | 93.6 | 94.4 | 95.2 | 95.2 | 95.8 | 96.2 | 96.2 | 96.6 | 96.6 | 96.7 | 97.1 |
| GE | 800 | | | 91.3 | 91.7 | 92.9 | 93.6 | 94.4 | 95.2 | 95.2 | 95.9 | 96.3 | 96.3 | 96.8 | 96.8 | 97.0 | 97.3 |
| GE | 700 | | | 91.3 | 91.7 | 92.9 | 93.6 | 94.4 | 95.4 | 95.4 | 96.2 | 96.5 | 96.5 | 97.1 | 97.1 | 97.2 | 97.5 |
| GE | 600 | | | 91.4 | 91.8 | 93.0 | 93.7 | 94.5 | 95.5 | 95.5 | 96.3 | 96.6 | 96.6 | 97.2 | 97.2 | 97.3 | 97.6 |
| GE | 500 | | | 91.4 | 91.8 | 93.0 | 93.7 | 94.5 | 95.7 | 95.7 | 96.6 | 97.0 | 97.0 | 97.6 | 97.6 | 97.7 | 98.1 |
| GE | 400 | | | 91.4 | 91.8 | 93.1 | 93.8 | 94.7 | 95.9 | 95.9 | 96.8 | 97.2 | 97.2 | 98.1 | 98.1 | 98.2 | 98.5 |
| GE | 300 | | | 91.6 | 91.9 | 93.2 | 93.9 | 94.8 | 96.1 | 96.1 | 97.0 | 97.3 | 97.4 | 98.4 | 98.4 | 98.5 | 98.9 |
| GE | 200 | | | 91.6 | 91.9 | 93.2 | 93.9 | 94.8 | 96.1 | 96.1 | 97.0 | 97.3 | 97.4 | 98.9 | 99.1 | 99.2 | 99.9 |
| GE | 100 | | | 91.6 | 91.9 | 93.2 | 93.9 | 94.8 | 96.1 | 96.1 | 97.0 | 97.3 | 97.4 | 98.9 | 99.1 | 99.2 | 100.0 |
| GE | 01 | | | 91.6 | 91.9 | 93.2 | 93.9 | 94.8 | 96.1 | 96.1 | 97.0 | 97.3 | 97.4 | 98.9 | 99.1 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 888

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS (LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 73.7 | 74.0 | 74.9 | 75.0 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE | 4500 | | | 73.9 | 74.2 | 75.1 | 75.3 | 75.7 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE | 4000 | | | 80.7 | 81.0 | 82.0 | 82.1 | 82.6 | 82.6 | 82.6 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE | 3500 | | | 85.1 | 85.5 | 86.6 | 86.7 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE | 3000 | | | 88.0 | 88.5 | 89.7 | 90.1 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE | 2500 | | | 89.0 | 89.6 | 91.1 | 91.4 | 92.1 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE | 2000 | | | 90.3 | 91.0 | 92.5 | 93.0 | 93.8 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE | 1800 | | | 90.6 | 91.3 | 92.9 | 93.3 | 94.1 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE | 1500 | | | 91.8 | 92.7 | 94.2 | 94.7 | 95.6 | 95.8 | 96.0 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE | 1200 | | | 92.0 | 92.9 | 94.6 | 95.0 | 95.9 | 96.2 | 96.4 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE | 1000 | | | 92.0 | 92.9 | 94.6 | 95.1 | 96.5 | 96.7 | 97.1 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE | 900 | | | 92.0 | 92.9 | 94.6 | 95.1 | 96.6 | 96.8 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE | 800 | | | 92.0 | 92.9 | 94.6 | 95.1 | 96.6 | 96.8 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE | 700 | | | 92.0 | 92.9 | 94.6 | 95.1 | 96.7 | 96.9 | 97.3 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE | 600 | | | 92.0 | 92.9 | 94.6 | 95.1 | 96.8 | 97.1 | 97.4 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE | 500 | | | 92.0 | 92.9 | 94.8 | 95.4 | 97.3 | 97.5 | 97.9 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE | 400 | | | 92.1 | 93.0 | 95.1 | 95.7 | 97.6 | 97.9 | 98.2 | 98.5 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE | 300 | | | 92.3 | 93.2 | 95.4 | 95.9 | 97.9 | 98.1 | 98.4 | 98.8 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE | 200 | | | 92.3 | 93.2 | 95.4 | 95.9 | 97.9 | 98.2 | 98.5 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 |
| GE | 100 | | | 92.3 | 93.2 | 95.4 | 95.9 | 97.9 | 98.2 | 98.5 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.7 | 100.0 |
| GE | 0 | | | 92.3 | 93.2 | 95.4 | 95.9 | 97.9 | 98.2 | 98.5 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 985

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 71.4 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.8 | 72.0 | 72.2 | 72.2 | 72.5 | 72.5 | 72.6 | 72.6 |
| GE 4500 | | | 71.9 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.4 | 72.7 | 72.8 | 72.8 | 73.2 | 73.2 | 73.3 | 73.3 |
| GE 4000 | | | 79.8 | 80.1 | 80.2 | 80.3 | 80.4 | 80.4 | 80.5 | 80.8 | 81.0 | 81.0 | 81.3 | 81.3 | 81.4 | 81.4 |
| GE 3500 | | | 85.0 | 85.4 | 85.5 | 85.6 | 85.7 | 85.7 | 86.0 | 86.5 | 86.6 | 86.6 | 87.0 | 87.0 | 87.1 | 87.1 |
| GE 3000 | | | 88.4 | 89.3 | 89.8 | 89.9 | 90.0 | 90.0 | 90.2 | 90.8 | 90.9 | 90.9 | 91.2 | 91.2 | 91.3 | 91.3 |
| GE 2500 | | | 90.6 | 91.1 | 91.5 | 91.6 | 91.8 | 91.8 | 92.0 | 92.5 | 92.7 | 92.7 | 93.0 | 93.0 | 93.1 | 93.1 |
| GE 2000 | | | 91.5 | 92.0 | 92.5 | 92.7 | 93.1 | 93.1 | 93.3 | 94.0 | 94.1 | 94.1 | 94.4 | 94.4 | 94.5 | 94.5 |
| GE 1800 | | | 91.9 | 92.3 | 92.9 | 93.0 | 93.4 | 93.4 | 93.7 | 94.3 | 94.4 | 94.4 | 94.8 | 94.8 | 94.9 | 94.9 |
| GE 1500 | | | 92.3 | 92.8 | 93.4 | 93.5 | 94.3 | 94.3 | 94.7 | 95.3 | 95.4 | 95.4 | 95.8 | 95.8 | 95.9 | 95.9 |
| GE 1200 | | | 92.4 | 92.9 | 93.5 | 93.7 | 94.4 | 94.4 | 94.8 | 95.4 | 95.5 | 95.5 | 95.9 | 95.9 | 96.0 | 96.0 |
| GE 1000 | | | 92.4 | 92.9 | 93.5 | 93.7 | 95.1 | 95.2 | 95.5 | 96.2 | 96.3 | 96.3 | 96.7 | 96.8 | 96.9 | 96.9 |
| GE 900 | | | 92.4 | 92.9 | 93.5 | 93.7 | 95.3 | 95.4 | 96.0 | 96.7 | 96.9 | 96.9 | 97.2 | 97.3 | 97.4 | 97.4 |
| GE 800 | | | 92.4 | 92.9 | 93.5 | 93.7 | 95.7 | 95.8 | 96.3 | 97.0 | 97.2 | 97.2 | 97.6 | 97.7 | 97.8 | 97.8 |
| GE 700 | | | 92.4 | 92.9 | 93.5 | 93.7 | 95.7 | 95.8 | 96.3 | 97.0 | 97.2 | 97.2 | 97.6 | 97.7 | 97.8 | 97.8 |
| GE 600 | | | 92.6 | 93.2 | 93.9 | 94.0 | 96.0 | 96.1 | 96.7 | 97.3 | 97.6 | 97.6 | 97.9 | 98.0 | 98.1 | 98.1 |
| GE 500 | | | 92.6 | 93.2 | 94.0 | 94.1 | 96.1 | 96.2 | 96.8 | 97.4 | 97.7 | 97.7 | 98.0 | 98.1 | 98.2 | 98.2 |
| GE 400 | | | 93.2 | 93.7 | 94.5 | 94.7 | 96.7 | 96.9 | 97.4 | 98.1 | 98.3 | 98.3 | 98.7 | 98.8 | 98.9 | 98.9 |
| GE 300 | | | 93.5 | 94.0 | 94.9 | 95.0 | 97.0 | 97.2 | 97.8 | 98.4 | 98.7 | 98.7 | 99.0 | 99.1 | 99.2 | 99.2 |
| GE 200 | | | 93.5 | 94.0 | 94.9 | 95.0 | 97.0 | 97.2 | 97.8 | 98.7 | 98.9 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 |
| GE 100 | | | 93.5 | 94.0 | 94.9 | 95.0 | 97.0 | 97.2 | 97.8 | 98.7 | 98.9 | 98.9 | 99.2 | 99.3 | 99.6 | 100.0 |
| GE 0 | | | 93.5 | 94.0 | 94.9 | 95.0 | 97.0 | 97.2 | 97.8 | 98.7 | 98.9 | 98.9 | 99.2 | 99.3 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1/4 | GE 1/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | |
| GE 5000 | | | 70.7 | 70.9 | 71.0 | 71.0 | 71.2 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.7 |
| GE 4500 | | | 72.5 | 72.7 | 72.8 | 72.8 | 73.0 | 73.0 | 73.0 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.5 |
| GE 4000 | | | 79.0 | 79.2 | 79.9 | 79.9 | 80.2 | 80.2 | 80.2 | 80.7 | 80.8 | 80.8 | 81.0 | 81.0 | 81.2 |
| GE 3500 | | | 83.6 | 84.3 | 85.1 | 85.1 | 85.6 | 85.6 | 85.7 | 86.2 | 86.3 | 86.3 | 86.6 | 86.6 | 86.7 |
| GE 3000 | | | 87.4 | 88.0 | 88.8 | 88.8 | 89.4 | 89.4 | 89.5 | 90.1 | 90.2 | 90.2 | 90.4 | 90.4 | 90.5 |
| GE 2500 | | | 89.1 | 89.8 | 90.6 | 90.6 | 91.2 | 91.2 | 91.3 | 91.9 | 92.0 | 92.0 | 92.2 | 92.2 | 92.3 |
| GE 2000 | | | 90.4 | 91.3 | 92.2 | 92.2 | 92.8 | 92.9 | 93.1 | 93.8 | 94.0 | 94.0 | 94.2 | 94.2 | 94.4 |
| GE 1800 | | | 90.4 | 91.3 | 92.2 | 92.2 | 92.8 | 92.9 | 93.1 | 93.8 | 94.0 | 94.0 | 94.2 | 94.2 | 94.4 |
| GE 1500 | | | 90.5 | 91.4 | 92.3 | 92.6 | 93.3 | 93.5 | 93.7 | 94.4 | 94.6 | 94.6 | 94.8 | 94.8 | 94.9 |
| GE 1200 | | | 90.5 | 91.4 | 92.4 | 92.7 | 93.5 | 93.7 | 93.9 | 94.6 | 94.9 | 94.8 | 95.0 | 95.0 | 95.1 |
| GE 1000 | | | 91.1 | 92.1 | 93.1 | 93.3 | 94.5 | 94.7 | 94.9 | 95.7 | 95.9 | 95.9 | 96.2 | 96.2 | 96.3 |
| GE 900 | | | 91.2 | 92.2 | 93.2 | 93.5 | 94.6 | 94.8 | 95.0 | 95.8 | 96.0 | 96.0 | 96.3 | 96.3 | 96.4 |
| GE 800 | | | 91.2 | 92.2 | 93.2 | 93.6 | 94.8 | 95.3 | 95.6 | 96.4 | 96.8 | 96.8 | 97.1 | 97.1 | 97.2 |
| GE 700 | | | 91.2 | 92.2 | 93.3 | 93.7 | 95.0 | 95.5 | 95.8 | 96.6 | 97.1 | 97.1 | 97.3 | 97.3 | 97.4 |
| GE 600 | | | 91.5 | 92.6 | 93.7 | 94.0 | 95.4 | 95.8 | 96.2 | 97.0 | 97.4 | 97.4 | 97.6 | 97.6 | 97.7 |
| GE 500 | | | 91.5 | 92.6 | 93.7 | 94.0 | 95.4 | 95.9 | 96.5 | 97.3 | 97.7 | 97.7 | 98.1 | 98.1 | 98.2 |
| GE 400 | | | 91.6 | 92.7 | 93.8 | 94.1 | 95.5 | 96.2 | 96.7 | 97.6 | 98.1 | 98.1 | 98.5 | 98.5 | 98.6 |
| GE 300 | | | 91.9 | 92.9 | 94.0 | 94.4 | 95.7 | 96.4 | 97.0 | 97.9 | 98.3 | 98.3 | 98.8 | 98.9 | 99.1 |
| GE 200 | | | 91.9 | 92.9 | 94.0 | 94.4 | 95.7 | 96.6 | 97.2 | 98.4 | 98.9 | 98.9 | 99.3 | 99.4 | 99.7 |
| GE 100 | | | 91.9 | 92.9 | 94.0 | 94.4 | 95.7 | 96.6 | 97.2 | 98.4 | 98.9 | 98.9 | 99.3 | 99.5 | 100.0 |
| GE 0 | | | 91.9 | 92.9 | 94.0 | 94.4 | 95.7 | 96.6 | 97.2 | 98.4 | 98.9 | 98.9 | 99.3 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|----|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|
| IN | FEET | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 69.6 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 | 70.1 | 70.2 | 70.2 | 70.3 | 70.5 |
| GE | 4500 | | | 71.1 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.8 | 71.9 | 71.9 | 72.0 | 72.2 |
| GE | 4000 | | | 78.4 | 78.5 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 | 79.3 | 79.4 | 79.4 | 79.8 | 79.9 |
| GE | 3500 | | | 84.0 | 84.2 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.9 | 85.1 | 85.2 | 85.2 | 85.2 | 85.7 | 85.8 |
| GE | 3000 | | | 87.6 | 88.0 | 88.8 | 88.8 | 88.8 | 89.0 | 89.1 | 89.2 | 89.4 | 89.5 | 89.6 | 89.6 | 90.1 | 90.2 |
| GE | 2500 | | | 88.6 | 89.1 | 89.9 | 89.9 | 89.9 | 90.0 | 90.1 | 90.2 | 90.5 | 90.6 | 90.8 | 91.2 | 91.2 | 91.3 |
| GE | 2000 | | | 90.8 | 91.0 | 91.8 | 92.0 | 92.0 | 92.1 | 92.2 | 92.3 | 92.7 | 92.8 | 92.9 | 93.3 | 93.3 | 93.5 |
| GE | 1800 | | | 90.8 | 91.0 | 91.8 | 92.0 | 92.1 | 92.2 | 92.3 | 92.7 | 92.8 | 92.9 | 93.3 | 93.3 | 93.5 | 93.5 |
| GE | 1500 | | | 91.1 | 91.3 | 92.2 | 92.4 | 93.0 | 93.1 | 93.2 | 93.6 | 93.7 | 93.8 | 94.3 | 94.3 | 94.4 | 94.4 |
| GE | 1200 | | | 91.1 | 91.3 | 92.2 | 92.4 | 93.0 | 93.1 | 93.2 | 93.6 | 93.7 | 93.8 | 94.3 | 94.3 | 94.4 | 94.4 |
| GE | 1000 | | | 91.3 | 91.5 | 92.7 | 92.9 | 93.7 | 93.9 | 94.1 | 94.7 | 94.9 | 94.9 | 95.5 | 95.5 | 95.6 | 95.6 |
| GE | 900 | | | 91.3 | 91.5 | 92.8 | 93.0 | 93.8 | 94.0 | 94.3 | 94.8 | 94.9 | 95.0 | 95.6 | 95.6 | 95.7 | 95.7 |
| GE | 800 | | | 91.5 | 91.8 | 93.0 | 93.2 | 94.0 | 94.4 | 94.6 | 95.4 | 95.5 | 95.6 | 96.2 | 96.2 | 96.3 | 96.3 |
| GE | 700 | | | 91.5 | 91.8 | 93.0 | 93.3 | 94.1 | 94.5 | 94.7 | 95.5 | 95.6 | 95.7 | 96.3 | 96.3 | 96.4 | 96.4 |
| GE | 600 | | | 91.5 | 91.8 | 93.0 | 93.3 | 94.1 | 94.5 | 94.7 | 95.6 | 95.7 | 95.8 | 96.6 | 96.6 | 96.7 | 96.7 |
| GE | 500 | | | 91.7 | 91.9 | 93.1 | 93.5 | 94.3 | 94.6 | 95.0 | 96.3 | 96.4 | 96.5 | 97.3 | 97.3 | 97.4 | 97.4 |
| GE | 400 | | | 92.1 | 92.3 | 93.6 | 93.9 | 94.7 | 95.0 | 95.5 | 96.7 | 96.8 | 97.0 | 97.9 | 97.9 | 98.0 | 98.0 |
| GE | 300 | | | 92.1 | 92.3 | 93.6 | 93.9 | 94.7 | 95.0 | 95.5 | 96.7 | 96.8 | 97.0 | 98.1 | 98.1 | 98.2 | 98.5 |
| GE | 200 | | | 92.1 | 92.3 | 93.6 | 93.9 | 94.7 | 95.2 | 95.6 | 97.3 | 97.4 | 97.5 | 99.0 | 99.0 | 99.3 | 99.7 |
| GE | 100 | | | 92.1 | 92.3 | 93.6 | 93.9 | 94.7 | 95.2 | 95.6 | 97.3 | 97.4 | 97.5 | 99.0 | 99.0 | 99.3 | 99.9 |
| GE | 0 | | | 92.2 | 92.4 | 93.7 | 94.0 | 94.8 | 95.3 | 95.7 | 97.4 | 97.5 | 97.6 | 99.1 | 99.1 | 99.4 | 100.0 |
| | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 887

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | U | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | | |
| GE | 5000 | | 69.6 | 69.6 | 69.8 | 69.8 | 69.8 | 70.1 | 70.1 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.6 | |
| GE | 4500 | | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.5 | 71.5 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | |
| GE | 4000 | | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.7 | 80.7 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | |
| GE | 3500 | | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 85.5 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.0 | |
| GE | 3000 | | 88.0 | 88.0 | 88.2 | 88.2 | 88.2 | 88.9 | 88.9 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | |
| GE | 2500 | | 88.7 | 88.7 | 88.9 | 88.9 | 88.9 | 89.6 | 89.6 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | |
| GE | 2000 | | 90.7 | 90.7 | 90.9 | 91.2 | 91.3 | 92.1 | 92.1 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | |
| GE | 1800 | | 90.7 | 90.7 | 90.9 | 91.2 | 91.3 | 92.1 | 92.1 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | |
| GE | 1500 | | 90.9 | 90.9 | 91.2 | 91.4 | 91.7 | 92.5 | 92.5 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | |
| GE | 1200 | | 90.9 | 90.9 | 91.2 | 91.4 | 91.7 | 92.5 | 92.5 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | |
| GE | 1000 | | 91.1 | 91.1 | 91.5 | 91.7 | 92.4 | 93.2 | 93.2 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | |
| GE | 900 | | 91.1 | 91.1 | 91.8 | 92.1 | 92.8 | 93.5 | 93.5 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | |
| GE | 800 | | 91.1 | 91.1 | 91.8 | 92.1 | 92.8 | 93.5 | 93.5 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | |
| GE | 700 | | 91.1 | 91.1 | 91.8 | 92.1 | 92.8 | 93.5 | 93.5 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | |
| GE | 600 | | 91.4 | 91.4 | 92.2 | 92.4 | 93.1 | 93.9 | 93.9 | 95.7 | 95.8 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.3 | |
| GE | 500 | | 91.5 | 91.5 | 92.3 | 92.5 | 93.2 | 94.1 | 94.1 | 95.9 | 96.0 | 96.0 | 96.4 | 96.4 | 96.4 | 96.8 | 96.9 | |
| GE | 400 | | 92.1 | 92.1 | 92.9 | 93.1 | 93.8 | 94.8 | 94.8 | 96.6 | 96.7 | 96.7 | 97.5 | 97.5 | 97.5 | 98.0 | 98.2 | |
| GE | 300 | | 92.3 | 92.4 | 93.2 | 93.4 | 94.1 | 95.1 | 95.1 | 96.9 | 97.1 | 97.1 | 97.8 | 97.8 | 97.8 | 98.3 | 98.9 | |
| GE | 200 | | 92.3 | 92.4 | 93.2 | 93.4 | 94.1 | 95.1 | 95.1 | 96.9 | 97.1 | 97.1 | 98.1 | 98.2 | 98.2 | 98.8 | 99.7 | |
| GE | 100 | | 92.3 | 92.4 | 93.2 | 93.4 | 94.1 | 95.1 | 95.1 | 96.9 | 97.1 | 97.1 | 98.1 | 98.2 | 98.2 | 98.9 | 100.0 | |
| GE | 0 | | 92.3 | 92.4 | 93.2 | 93.4 | 94.1 | 95.1 | 95.1 | 96.9 | 97.1 | 97.1 | 98.1 | 98.2 | 98.2 | 98.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 883

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 70.7 | 70.9 | 71.1 | 71.1 | 71.3 | 71.4 | 71.4 | 71.6 | 71.7 | 71.7 | 71.9 | 71.9 | 72.0 | 72.1 |
| GE 4500 | | | 72.0 | 72.1 | 72.4 | 72.4 | 72.6 | 72.7 | 72.7 | 72.9 | 73.0 | 73.0 | 73.2 | 73.2 | 73.3 | 73.4 |
| GE 4000 | | | 79.6 | 79.8 | 80.2 | 80.3 | 80.5 | 80.7 | 80.8 | 81.0 | 81.0 | 81.0 | 81.3 | 81.3 | 81.4 | 81.5 |
| GE 3500 | | | 84.6 | 85.0 | 85.4 | 85.6 | 85.8 | 86.0 | 86.1 | 86.4 | 86.4 | 86.4 | 86.7 | 86.7 | 86.8 | 86.9 |
| GE 3000 | | | 88.0 | 88.3 | 89.0 | 89.1 | 89.5 | 89.7 | 89.9 | 90.0 | 90.1 | 90.1 | 90.4 | 90.4 | 90.5 | 90.6 |
| GE 2500 | | | 89.1 | 89.5 | 90.1 | 90.3 | 90.7 | 90.9 | 91.0 | 91.3 | 91.4 | 91.4 | 91.7 | 91.7 | 91.8 | 91.9 |
| GE 2000 | | | 90.7 | 91.2 | 91.9 | 92.2 | 92.6 | 92.9 | 93.0 | 93.4 | 93.5 | 93.5 | 93.8 | 93.8 | 93.9 | 94.0 |
| GE 1800 | | | 90.8 | 91.3 | 92.1 | 92.3 | 92.8 | 93.0 | 93.2 | 93.5 | 93.6 | 93.6 | 93.9 | 93.9 | 94.0 | 94.1 |
| GE 1500 | | | 91.2 | 91.9 | 92.8 | 93.1 | 93.7 | 94.0 | 94.1 | 94.5 | 94.6 | 94.6 | 94.9 | 94.9 | 95.0 | 95.1 |
| GE 1200 | | | 91.5 | 92.1 | 93.0 | 93.3 | 94.0 | 94.3 | 94.4 | 94.8 | 94.9 | 94.9 | 95.2 | 95.2 | 95.3 | 95.4 |
| GE 1000 | | | 91.7 | 92.3 | 93.3 | 93.7 | 94.6 | 95.0 | 95.2 | 95.4 | 96.0 | 96.0 | 96.3 | 96.4 | 96.4 | 96.5 |
| GE 900 | | | 91.7 | 92.3 | 93.4 | 93.8 | 94.8 | 95.2 | 95.4 | 96.1 | 96.2 | 96.2 | 96.5 | 96.6 | 96.6 | 96.7 |
| GE 800 | | | 91.7 | 92.3 | 93.4 | 93.8 | 94.9 | 95.3 | 95.5 | 96.3 | 96.4 | 96.5 | 96.8 | 96.8 | 96.9 | 97.0 |
| GE 700 | | | 91.7 | 92.3 | 93.4 | 93.8 | 94.9 | 95.4 | 95.6 | 96.4 | 96.5 | 96.6 | 96.9 | 97.0 | 97.0 | 97.1 |
| GE 500 | | | 91.5 | 92.5 | 93.6 | 94.1 | 95.1 | 95.6 | 95.8 | 96.7 | 96.8 | 96.8 | 97.3 | 97.3 | 97.4 | 97.5 |
| GE 500 | | | 92.1 | 92.6 | 93.7 | 94.2 | 95.3 | 95.8 | 96.1 | 97.0 | 97.1 | 97.2 | 97.7 | 97.7 | 97.8 | 97.9 |
| GE 400 | | | 92.2 | 92.8 | 94.0 | 94.5 | 95.6 | 96.2 | 96.5 | 97.4 | 97.5 | 97.6 | 98.2 | 98.3 | 98.4 | 98.6 |
| GE 300 | | | 92.3 | 93.0 | 94.2 | 94.6 | 95.7 | 96.3 | 96.6 | 97.5 | 97.7 | 97.7 | 98.5 | 98.6 | 98.8 | 99.0 |
| GE 200 | | | 92.3 | 93.0 | 94.2 | 94.6 | 95.8 | 96.4 | 96.7 | 97.8 | 98.0 | 98.0 | 98.9 | 99.1 | 99.3 | 99.7 |
| GE 100 | | | 92.3 | 93.0 | 94.2 | 94.6 | 95.8 | 96.4 | 96.7 | 97.9 | 98.0 | 98.1 | 99.0 | 99.2 | 99.5 | 100.0 |
| GE 0 | | | 92.4 | 93.0 | 94.2 | 94.6 | 95.8 | 96.4 | 96.7 | 97.9 | 98.1 | 98.1 | 99.0 | 99.2 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7106

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | 1 | GE 1 | GE 1 1/2 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/2 | GE 4 | GE 4 1/2 | GE 5 | GE 5 1/2 | GE 6 | GE 6 1/2 | GE 7 | GE 7 1/2 | GE 8 |
| NO CELL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | |
| GE 1600 | | | | | | | | | | | | | | | | |
| GE 1400 | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(CELT): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|----|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|
| IN | FEET | GE | GF | GE | GF | GE | GE | GE | GF | GE | GE | GE | GF | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| | | | | | | | | | | | | | | | | | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | 75.3 | 76.0 | 76.0 | 76.0 | 76.1 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 | 76.5 | 76.5 | 76.7 | 76.8 |
| GE | 4500 | | | 76.2 | 76.9 | 76.9 | 76.9 | 77.0 | 77.1 | 77.2 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.6 |
| GE | 4000 | | | 81.5 | 82.2 | 82.2 | 82.2 | 82.3 | 82.4 | 82.5 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 |
| GE | 3500 | | | 84.3 | 84.9 | 84.9 | 85.0 | 85.1 | 85.2 | 85.4 | 85.4 | 85.5 | 85.5 | 85.7 | 85.7 | 85.8 | 85.9 |
| GE | 3000 | | | 87.6 | 88.7 | 89.1 | 89.2 | 89.4 | 89.5 | 89.6 | 90.0 | 90.1 | 90.1 | 90.5 | 90.5 | 90.6 | 90.7 |
| GE | 2500 | | | 90.6 | 91.1 | 91.5 | 91.6 | 91.9 | 92.0 | 92.1 | 92.4 | 92.5 | 92.5 | 93.0 | 93.0 | 93.1 | 93.2 |
| GE | 2000 | | | 92.3 | 93.5 | 94.3 | 94.4 | 94.6 | 94.7 | 94.8 | 95.2 | 95.3 | 95.3 | 95.7 | 95.7 | 95.8 | 95.9 |
| GE | 1800 | | | 92.3 | 93.5 | 94.3 | 94.4 | 94.6 | 94.7 | 94.8 | 95.2 | 95.3 | 95.3 | 95.7 | 95.7 | 95.8 | 95.9 |
| GE | 1500 | | | 92.3 | 93.8 | 94.6 | 94.7 | 94.9 | 95.0 | 95.2 | 95.5 | 95.6 | 95.6 | 96.0 | 96.0 | 96.1 | 96.3 |
| GE | 1200 | | | 92.4 | 94.1 | 94.8 | 94.9 | 95.2 | 95.3 | 95.4 | 95.7 | 95.8 | 95.8 | 96.3 | 96.3 | 96.4 | 96.5 |
| GE | 1000 | | | 92.5 | 94.2 | 94.9 | 95.0 | 95.5 | 95.6 | 95.7 | 96.0 | 96.1 | 96.1 | 96.8 | 96.8 | 96.9 | 97.0 |
| GE | 900 | | | 92.8 | 94.5 | 95.3 | 95.4 | 95.8 | 95.9 | 96.0 | 96.4 | 96.5 | 96.5 | 97.1 | 97.1 | 97.2 | 97.4 |
| GE | 800 | | | 93.0 | 94.6 | 95.4 | 95.5 | 96.3 | 96.4 | 96.5 | 96.8 | 96.9 | 96.9 | 97.6 | 97.6 | 97.7 | 97.8 |
| GE | 700 | | | 93.0 | 94.6 | 95.4 | 95.5 | 96.3 | 96.4 | 96.5 | 96.8 | 96.9 | 96.9 | 97.6 | 97.6 | 97.7 | 97.8 |
| GE | 600 | | | 93.0 | 94.6 | 95.7 | 95.8 | 96.6 | 96.7 | 96.8 | 97.1 | 97.2 | 97.2 | 98.0 | 98.0 | 98.1 | 98.2 |
| GE | 500 | | | 93.0 | 94.6 | 95.7 | 95.8 | 96.6 | 96.7 | 96.8 | 97.1 | 97.2 | 97.2 | 98.0 | 98.0 | 98.1 | 98.2 |
| GE | 400 | | | 93.0 | 94.6 | 95.7 | 95.8 | 96.6 | 96.7 | 96.8 | 97.4 | 97.5 | 97.5 | 98.3 | 98.3 | 98.7 | 98.8 |
| GE | 300 | | | 93.0 | 94.6 | 96.0 | 96.1 | 96.9 | 97.0 | 97.1 | 97.7 | 97.8 | 97.8 | 98.7 | 98.7 | 99.0 | 99.1 |
| GE | 200 | | | 93.0 | 94.6 | 96.0 | 96.1 | 96.9 | 97.0 | 97.1 | 97.7 | 97.8 | 97.8 | 98.7 | 98.7 | 99.0 | 99.1 |
| GE | 100 | | | 93.0 | 94.6 | 96.0 | 96.1 | 96.9 | 97.0 | 97.1 | 97.7 | 97.8 | 97.8 | 98.7 | 98.7 | 99.3 | 100.0 |
| GE | 0 | | | 93.0 | 94.6 | 96.0 | 96.1 | 96.9 | 97.0 | 97.1 | 97.7 | 97.8 | 97.8 | 98.7 | 98.7 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 208

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 69.4 | 70.4 | 71.1 | 71.3 | 71.5 | 71.6 | 71.6 | 71.6 | 71.8 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 |
| GE 4500 | | | 70.2 | 71.2 | 71.9 | 72.1 | 72.3 | 72.4 | 72.4 | 72.4 | 72.5 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 |
| GE 4000 | | | 76.3 | 77.3 | 78.2 | 78.5 | 78.7 | 78.8 | 78.8 | 78.8 | 78.9 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 |
| GE 3500 | | | 81.2 | 82.3 | 83.4 | 84.0 | 84.4 | 84.5 | 84.5 | 84.6 | 84.6 | 84.8 | 84.8 | 85.2 | 85.2 | 85.2 |
| GE 3000 | | | 84.4 | 85.5 | 86.9 | 87.5 | 87.9 | 88.2 | 88.2 | 88.7 | 88.9 | 88.9 | 88.9 | 89.3 | 89.3 | 89.5 |
| GE 2500 | | | 86.0 | 87.4 | 89.9 | 89.5 | 89.9 | 90.2 | 90.2 | 90.7 | 90.9 | 90.9 | 90.9 | 91.3 | 91.3 | 91.4 |
| GE 2000 | | | 88.1 | 89.6 | 91.3 | 91.9 | 92.4 | 92.7 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.8 | 93.8 | 94.0 |
| GE 1800 | | | 88.2 | 89.7 | 91.4 | 92.0 | 92.5 | 92.9 | 92.9 | 93.3 | 93.5 | 93.5 | 93.5 | 94.0 | 94.0 | 94.1 |
| GE 1500 | | | 88.7 | 90.1 | 92.1 | 92.6 | 93.2 | 93.5 | 93.5 | 94.2 | 94.4 | 94.4 | 94.4 | 94.8 | 94.8 | 94.9 |
| GE 1200 | | | 88.9 | 90.3 | 92.4 | 93.0 | 93.6 | 94.0 | 94.0 | 94.6 | 94.8 | 94.8 | 94.8 | 95.3 | 95.3 | 95.4 |
| GE 1000 | | | 89.3 | 91.2 | 93.3 | 93.8 | 94.7 | 95.1 | 95.1 | 95.9 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 97.0 |
| GE 900 | | | 89.3 | 91.2 | 93.3 | 93.8 | 94.7 | 95.1 | 95.1 | 95.9 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 97.0 |
| GE 800 | | | 89.3 | 91.2 | 93.3 | 93.8 | 94.7 | 95.1 | 95.1 | 95.9 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 97.0 |
| GE 700 | | | 89.5 | 91.3 | 93.4 | 94.0 | 94.8 | 95.2 | 95.2 | 96.4 | 96.6 | 96.6 | 96.6 | 97.1 | 97.1 | 97.5 |
| GE 600 | | | 89.6 | 91.4 | 93.6 | 94.2 | 95.1 | 95.6 | 95.6 | 96.6 | 97.0 | 97.0 | 97.0 | 97.6 | 97.6 | 98.1 |
| GE 500 | | | 89.6 | 91.4 | 93.6 | 94.2 | 95.1 | 95.6 | 95.6 | 96.6 | 97.0 | 97.0 | 97.0 | 97.7 | 97.7 | 98.2 |
| GE 400 | | | 89.7 | 91.5 | 93.7 | 94.3 | 95.2 | 95.7 | 95.7 | 96.9 | 97.1 | 97.1 | 97.1 | 98.0 | 98.0 | 98.6 |
| GE 300 | | | 89.8 | 91.6 | 93.8 | 94.4 | 95.3 | 95.8 | 95.8 | 97.0 | 97.3 | 97.3 | 97.3 | 98.1 | 98.1 | 98.7 |
| GE 200 | | | 89.8 | 91.6 | 93.8 | 94.4 | 95.3 | 95.8 | 95.8 | 97.0 | 97.3 | 97.3 | 97.3 | 98.2 | 98.2 | 98.8 |
| GE 100 | | | 89.8 | 91.6 | 93.8 | 94.4 | 95.3 | 95.8 | 95.8 | 97.0 | 97.3 | 97.3 | 97.3 | 98.2 | 98.2 | 98.9 |
| GE CL | | | 89.4 | 91.6 | 93.8 | 94.4 | 95.3 | 95.8 | 95.8 | 97.0 | 97.3 | 97.3 | 97.3 | 98.2 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0900-1111

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CLIC I | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 65.5 | 66.0 | 66.8 | 66.9 | 67.3 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 68.1 | 68.1 | 68.1 |
| GE 4500 | | | 67.4 | 68.0 | 68.8 | 68.9 | 69.3 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.9 | 70.1 | 70.1 | 70.1 |
| GE 4000 | | | 72.2 | 72.9 | 73.7 | 73.9 | 74.6 | 74.8 | 74.9 | 75.0 | 75.0 | 75.0 | 75.4 | 75.5 | 75.6 | 75.6 |
| GE 3500 | | | 78.1 | 79.2 | 80.0 | 80.4 | 81.1 | 81.4 | 81.5 | 81.6 | 81.6 | 81.6 | 82.0 | 82.2 | 82.3 | 82.3 |
| GE 3000 | | | 82.4 | 83.6 | 84.6 | 85.0 | 85.8 | 86.1 | 86.2 | 86.4 | 86.4 | 86.4 | 86.7 | 86.9 | 87.0 | 87.0 |
| GE 2500 | | | 84.5 | 85.9 | 87.1 | 87.6 | 88.3 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 89.2 | 89.4 | 89.5 | 89.5 |
| GE 2000 | | | 86.6 | 87.9 | 89.5 | 90.2 | 91.1 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 | 92.0 | 92.2 | 92.3 | 92.3 |
| GE 1800 | | | 86.6 | 88.4 | 90.1 | 90.8 | 91.6 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.5 | 92.7 | 92.8 | 92.8 |
| GE 1500 | | | 87.5 | 89.3 | 91.1 | 92.0 | 93.1 | 93.5 | 93.6 | 93.8 | 93.8 | 93.8 | 94.2 | 94.4 | 94.5 | 94.5 |
| GE 1200 | | | 87.6 | 89.4 | 91.2 | 92.1 | 93.6 | 94.3 | 94.4 | 94.6 | 94.6 | 94.6 | 94.9 | 95.2 | 95.3 | 95.3 |
| GE 1000 | | | 87.6 | 89.4 | 91.2 | 92.1 | 93.8 | 94.5 | 94.6 | 95.3 | 95.3 | 95.3 | 95.6 | 95.8 | 95.9 | 95.9 |
| GE 900 | | | 87.6 | 89.4 | 91.2 | 92.1 | 93.8 | 94.5 | 94.6 | 95.3 | 95.3 | 95.3 | 95.6 | 95.8 | 95.9 | 95.9 |
| GE 800 | | | 87.6 | 89.4 | 91.2 | 92.1 | 93.8 | 94.5 | 94.6 | 95.4 | 95.5 | 95.5 | 95.8 | 96.0 | 96.1 | 96.1 |
| GE 700 | | | 87.8 | 89.7 | 91.4 | 92.3 | 94.1 | 94.7 | 94.8 | 95.6 | 95.8 | 95.8 | 96.1 | 96.4 | 96.5 | 96.5 |
| GE 600 | | | 87.9 | 89.8 | 91.5 | 92.4 | 94.2 | 94.8 | 94.9 | 95.9 | 96.1 | 96.1 | 96.7 | 96.9 | 97.1 | 97.2 |
| GE 500 | | | 87.9 | 89.8 | 91.5 | 92.4 | 94.5 | 95.3 | 95.4 | 96.4 | 96.8 | 96.8 | 97.5 | 97.8 | 98.2 | 98.3 |
| GE 400 | | | 87.9 | 89.8 | 91.5 | 92.4 | 94.5 | 95.3 | 95.4 | 96.4 | 97.0 | 97.0 | 97.7 | 98.0 | 98.5 | 98.6 |
| GE 300 | | | 88.0 | 89.9 | 91.6 | 92.5 | 94.6 | 95.4 | 95.5 | 96.5 | 97.1 | 97.1 | 97.8 | 98.1 | 98.7 | 98.8 |
| GE 200 | | | 88.0 | 89.9 | 91.6 | 92.5 | 94.6 | 95.5 | 95.6 | 96.6 | 97.2 | 97.2 | 98.0 | 98.3 | 98.9 | 99.2 |
| GE 100 | | | 88.0 | 89.9 | 91.6 | 92.5 | 94.6 | 95.5 | 95.6 | 96.6 | 97.2 | 97.2 | 98.1 | 98.5 | 99.2 | 99.7 |
| GE 0 | | | 88.0 | 89.9 | 91.6 | 92.5 | 94.6 | 95.5 | 95.6 | 96.6 | 97.2 | 97.2 | 98.1 | 98.5 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 709

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | |
| GE 1600 | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 210

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CELL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 68.0 | 69.3 | 69.9 | 69.9 | 70.3 | 70.8 | 70.8 | 71.3 | 71.3 | 71.3 | 71.5 | 71.5 | 71.6 | 71.7 |
| GE 4500 | | | 69.2 | 70.5 | 71.1 | 71.1 | 71.5 | 72.0 | 72.0 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.8 | 72.9 |
| GE 4000 | | | 73.9 | 75.4 | 76.1 | 76.1 | 76.6 | 77.0 | 77.1 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.5 | 78.6 |
| GE 3500 | | | 78.0 | 79.6 | 80.6 | 80.6 | 81.2 | 81.7 | 81.8 | 82.8 | 82.9 | 82.9 | 83.4 | 83.4 | 83.6 | 83.7 |
| GE 3000 | | | 83.0 | 85.3 | 86.4 | 86.4 | 87.1 | 87.6 | 87.7 | 88.7 | 88.3 | 88.8 | 89.3 | 89.3 | 89.5 | 89.7 |
| GE 2500 | | | 86.9 | 89.5 | 90.9 | 90.9 | 91.7 | 92.2 | 92.3 | 93.3 | 93.4 | 93.4 | 93.9 | 93.9 | 94.1 | 94.3 |
| GE 2000 | | | 88.5 | 91.1 | 92.7 | 92.7 | 93.4 | 94.0 | 94.1 | 95.1 | 95.2 | 95.2 | 95.6 | 95.6 | 95.8 | 96.1 |
| GE 1800 | | | 88.8 | 91.5 | 93.0 | 93.1 | 93.9 | 94.4 | 94.5 | 95.5 | 95.6 | 95.6 | 96.1 | 96.1 | 96.3 | 96.5 |
| GE 1500 | | | 89.0 | 91.7 | 93.5 | 93.6 | 94.4 | 95.1 | 95.2 | 96.2 | 96.3 | 96.3 | 96.7 | 96.7 | 96.9 | 97.2 |
| GE 1200 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.0 | 95.6 | 95.7 | 96.7 | 96.8 | 96.8 | 97.3 | 97.3 | 97.5 | 97.7 |
| GE 1000 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.6 | 97.6 | 98.0 | 98.0 | 98.2 | 98.5 |
| GE 900 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.6 | 97.6 | 98.0 | 98.0 | 98.2 | 98.5 |
| GE 800 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.6 | 97.6 | 98.1 | 98.1 | 98.4 | 98.6 |
| GE 700 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.2 | 98.2 | 98.5 | 98.7 |
| GE 600 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.2 | 98.2 | 98.5 | 98.7 |
| GE 500 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.2 | 98.2 | 98.7 | 98.9 |
| GE 400 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.2 | 98.2 | 98.9 | 99.1 |
| GE 300 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.4 | 98.4 | 99.0 | 99.2 |
| GE 200 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.4 | 98.4 | 99.1 | 99.7 |
| GE 100 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.4 | 98.4 | 99.1 | 100.0 |
| GE 0 | | | 89.3 | 91.9 | 94.0 | 94.1 | 95.3 | 95.9 | 96.1 | 97.4 | 97.7 | 97.7 | 98.4 | 98.4 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 1800-2JCO

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 70.1 | 70.4 | 70.9 | 71.1 | 71.6 | 71.8 | 72.0 | 72.1 | 72.2 | 72.2 | 72.5 | 72.5 | 72.8 | 73.0 | |
| GE 4500 | | | 71.0 | 71.3 | 71.8 | 72.0 | 72.5 | 72.6 | 72.8 | 73.0 | 73.1 | 73.1 | 73.4 | 73.4 | 73.7 | 73.8 | |
| GE 4000 | | | 77.0 | 77.4 | 78.0 | 78.2 | 78.7 | 77.1 | 79.3 | 79.4 | 79.5 | 79.5 | 79.8 | 79.8 | 80.2 | 80.3 | |
| GE 3500 | | | 81.4 | 81.9 | 82.4 | 82.7 | 83.2 | 83.6 | 83.9 | 84.0 | 84.1 | 84.1 | 84.5 | 84.5 | 84.8 | 85.0 | |
| GE 3000 | | | 86.5 | 87.0 | 87.7 | 87.9 | 88.4 | 88.9 | 89.1 | 89.2 | 89.3 | 89.3 | 89.7 | 89.7 | 90.1 | 90.3 | |
| GE 2500 | | | 90.7 | 90.8 | 91.6 | 91.8 | 92.4 | 92.8 | 93.0 | 93.1 | 93.2 | 93.2 | 93.7 | 93.7 | 94.0 | 94.2 | |
| GE 2000 | | | 91.9 | 92.7 | 93.6 | 93.8 | 94.3 | 95.0 | 95.2 | 95.3 | 95.4 | 95.4 | 95.9 | 95.9 | 96.2 | 96.4 | |
| GE 1800 | | | 92.1 | 92.9 | 93.8 | 94.0 | 94.5 | 95.2 | 95.4 | 95.5 | 95.6 | 95.6 | 96.1 | 96.1 | 96.4 | 96.6 | |
| GE 1500 | | | 92.5 | 93.2 | 94.1 | 94.3 | 94.9 | 95.5 | 95.7 | 95.9 | 96.0 | 96.0 | 96.4 | 96.4 | 96.7 | 96.9 | |
| GE 1200 | | | 92.5 | 93.2 | 94.1 | 94.3 | 94.9 | 95.5 | 95.7 | 95.9 | 96.0 | 96.0 | 96.4 | 96.4 | 96.7 | 96.9 | |
| GE 1000 | | | 92.5 | 93.2 | 94.1 | 94.3 | 94.9 | 95.5 | 95.9 | 96.5 | 96.7 | 96.7 | 97.2 | 97.2 | 97.7 | 97.9 | |
| GE 900 | | | 92.5 | 93.2 | 94.1 | 94.3 | 94.9 | 95.5 | 95.9 | 96.5 | 96.7 | 96.7 | 97.2 | 97.2 | 97.7 | 97.9 | |
| GE 800 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.6 | 97.1 | 97.1 | 97.5 | 97.5 | 98.0 | 98.3 | |
| GE 700 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.6 | 97.1 | 97.1 | 97.5 | 97.5 | 98.0 | 98.3 | |
| GE 600 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.6 | 97.1 | 97.1 | 97.5 | 97.5 | 98.1 | 98.4 | |
| GE 500 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.8 | 97.3 | 97.3 | 98.3 | 98.3 | 99.0 | 99.2 | |
| GE 400 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.8 | 97.3 | 97.3 | 98.3 | 98.3 | 99.0 | 99.2 | |
| GE 300 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.8 | 97.3 | 97.3 | 98.3 | 98.3 | 99.0 | 99.2 | |
| GE 200 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.8 | 97.3 | 97.3 | 98.3 | 98.3 | 99.0 | 99.7 | |
| GE 100 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.8 | 97.3 | 97.3 | 98.3 | 98.3 | 99.0 | 100.0 | |
| GE 0 | | | 92.6 | 93.3 | 94.2 | 94.4 | 95.0 | 95.6 | 96.0 | 96.8 | 97.3 | 97.3 | 98.3 | 98.3 | 99.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|----|----|----|----|-------|-------|-------|----|-----|-----|-----|------|-----|----|----|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | |
| GE C | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|------|-------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 | 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | 69.5 | 70.2 | 70.7 | 70.9 | 71.2 | 71.4 | 71.5 | 71.7 | 71.9 | 71.9 | 71.9 | 72.1 | 72.1 | 72.2 | 72.2 |
| GE 4500 | | 70.8 | 71.5 | 72.0 | 72.2 | 72.5 | 72.7 | 72.8 | 73.0 | 73.1 | 73.2 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 |
| GE 4000 | | 76.7 | 77.6 | 78.1 | 78.4 | 78.7 | 79.0 | 79.1 | 79.4 | 79.5 | 79.5 | 79.8 | 79.8 | 79.9 | 80.0 | 80.0 |
| GE 3500 | | 80.8 | 81.8 | 82.4 | 82.7 | 83.1 | 83.5 | 83.7 | 83.9 | 84.1 | 84.1 | 84.4 | 84.5 | 84.6 | 84.6 | 84.6 |
| GE 3000 | | 85.0 | 86.1 | 87.0 | 87.3 | 87.8 | 88.3 | 88.5 | 88.8 | 89.0 | 89.0 | 89.4 | 89.4 | 89.5 | 89.7 | 89.7 |
| GE 2500 | | 87.7 | 89.0 | 90.0 | 90.4 | 91.0 | 91.4 | 91.6 | 91.9 | 92.1 | 92.1 | 92.5 | 92.5 | 92.7 | 92.8 | 92.8 |
| GE 2000 | | 89.5 | 91.0 | 92.3 | 92.7 | 93.3 | 93.9 | 94.0 | 94.4 | 94.5 | 94.5 | 94.9 | 94.9 | 95.0 | 95.1 | 95.2 |
| GE 1800 | | 89.8 | 91.3 | 92.6 | 93.0 | 93.6 | 94.1 | 94.3 | 94.7 | 94.8 | 94.8 | 95.2 | 95.2 | 95.3 | 95.4 | 95.5 |
| GE 1500 | | 90.1 | 91.7 | 93.2 | 93.6 | 94.3 | 94.8 | 95.0 | 95.4 | 95.5 | 95.5 | 95.9 | 95.9 | 96.0 | 96.1 | 96.2 |
| GE 1200 | | 90.2 | 91.9 | 93.4 | 93.6 | 94.6 | 95.2 | 95.4 | 95.8 | 95.9 | 95.9 | 96.3 | 96.4 | 96.5 | 96.6 | 96.6 |
| GE 1000 | | 90.3 | 92.0 | 93.6 | 94.0 | 94.9 | 95.5 | 95.7 | 96.4 | 96.6 | 96.6 | 97.0 | 97.1 | 97.2 | 97.4 | 97.4 |
| GE 900 | | 90.4 | 92.1 | 93.7 | 94.1 | 95.0 | 95.6 | 95.9 | 96.5 | 96.7 | 96.7 | 97.2 | 97.2 | 97.4 | 97.6 | 97.6 |
| GE 800 | | 90.5 | 92.2 | 93.7 | 94.2 | 95.2 | 95.8 | 96.0 | 96.7 | 96.9 | 96.9 | 97.4 | 97.4 | 97.6 | 97.8 | 97.8 |
| GE 700 | | 90.5 | 92.2 | 93.8 | 94.2 | 95.2 | 95.8 | 96.1 | 96.8 | 97.1 | 97.1 | 97.6 | 97.6 | 97.8 | 98.0 | 98.0 |
| GE 600 | | 90.6 | 92.3 | 93.9 | 94.3 | 95.4 | 96.0 | 96.2 | 97.0 | 97.3 | 97.3 | 97.8 | 97.9 | 98.1 | 98.3 | 98.3 |
| GE 500 | | 90.6 | 92.3 | 93.9 | 94.3 | 95.4 | 96.1 | 96.3 | 97.2 | 97.5 | 97.5 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 |
| GE 400 | | 90.6 | 92.3 | 93.9 | 94.3 | 95.4 | 96.1 | 96.3 | 97.2 | 97.6 | 97.6 | 98.4 | 98.4 | 98.8 | 99.0 | 99.0 |
| GE 300 | | 90.6 | 92.4 | 94.0 | 94.5 | 95.5 | 96.2 | 96.4 | 97.4 | 97.7 | 97.7 | 98.5 | 98.6 | 98.9 | 99.1 | 99.1 |
| GE 200 | | 90.6 | 92.4 | 94.0 | 94.5 | 95.5 | 96.2 | 96.5 | 97.4 | 97.7 | 97.7 | 98.6 | 98.6 | 99.1 | 99.4 | 99.4 |
| GE 100 | | 90.6 | 92.4 | 94.0 | 94.5 | 95.5 | 96.2 | 96.5 | 97.4 | 97.7 | 97.7 | 98.6 | 98.6 | 99.3 | 99.9 | 99.9 |
| GE 0 | | 90.6 | 92.4 | 94.0 | 94.5 | 95.5 | 96.2 | 96.5 | 97.4 | 97.7 | 97.7 | 98.6 | 98.6 | 99.3 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7072

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(IST): 0000-0200

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | 79.4 | 80.3 | 80.7 | 80.8 | 80.9 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 82.0 | 82.2 | |
| GE 4500 | 80.9 | 81.8 | 82.2 | 82.5 | 82.6 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.8 | 83.9 | |
| GE 4000 | 85.1 | 86.4 | 86.8 | 87.2 | 87.3 | 87.7 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.6 | 88.8 | |
| GE 3500 | 87.5 | 88.9 | 89.3 | 89.7 | 89.8 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 91.1 | 91.3 | |
| GE 3000 | 89.4 | 90.9 | 92.0 | 92.4 | 92.5 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.4 | 94.0 | 94.1 | |
| GE 2500 | | | 90.2 | 91.8 | 93.0 | 93.3 | 93.4 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.2 | 94.3 | 94.9 | 95.0 | |
| GE 2000 | | | 90.8 | 92.4 | 94.0 | 94.3 | 94.8 | 95.1 | 95.5 | 95.7 | 95.7 | 95.7 | 95.8 | 95.9 | 96.8 | 96.9 | |
| GE 1800 | | | 91.1 | 92.7 | 94.3 | 94.7 | 95.1 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.1 | 96.3 | 97.2 | 97.3 | |
| GE 1500 | | | 91.1 | 92.5 | 94.4 | 94.8 | 95.2 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.3 | 96.4 | 97.3 | 97.4 | |
| GE 1200 | | | 91.6 | 93.3 | 94.9 | 95.2 | 95.7 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.7 | 96.8 | 97.7 | 97.8 | |
| GE 1000 | | | 91.9 | 93.6 | 95.2 | 95.6 | 96.0 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.4 | 97.5 | 98.4 | 98.5 | |
| GE 900 | | | 91.9 | 93.6 | 95.2 | 95.6 | 96.0 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.4 | 97.5 | 98.4 | 98.5 | |
| GE 800 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 700 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 600 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 500 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 400 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 300 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 200 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.8 | 98.8 | 98.9 | |
| GE 100 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 98.1 | 99.2 | 99.7 | |
| GE 0 | | | 91.9 | 93.6 | 95.3 | 95.7 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 98.1 | 99.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-88
MONTH: NOV HOURS(IST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | 79.8 | 80.4 | 80.5 | 80.6 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2 | 81.2 | 82.0 | 82.0 |
| GE 4500 | | 80.7 | 82.4 | 82.6 | 82.7 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.3 | 83.3 | 84.1 | 84.7 |
| GE 4000 | | 84.3 | 85.9 | 86.3 | 86.4 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.2 | 87.2 | 88.0 | 88.6 |
| GE 3500 | | 86.6 | 88.5 | 88.9 | 89.0 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.9 | 89.9 | 90.7 | 91.2 |
| GE 3000 | | 87.5 | 89.7 | 90.2 | 90.3 | 90.5 | 90.8 | 90.8 | 90.8 | 90.9 | 91.0 | 91.0 | 91.3 | 91.3 | 92.2 | 92.7 |
| GE 2500 | | 88.5 | 90.8 | 91.3 | 91.7 | 91.9 | 92.2 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.8 | 92.8 | 93.7 | 94.2 |
| GE 2000 | | 89.7 | 92.0 | 92.7 | 93.3 | 93.7 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.6 | 94.6 | 94.6 | 95.6 | 96.2 |
| GE 1800 | | 90.1 | 92.4 | 93.1 | 93.7 | 94.0 | 94.2 | 94.2 | 94.3 | 94.5 | 94.5 | 94.9 | 94.9 | 94.9 | 96.0 | 96.5 |
| GE 1500 | | 91.0 | 93.4 | 94.1 | 94.7 | 95.3 | 95.5 | 95.5 | 95.6 | 95.7 | 95.7 | 96.2 | 96.2 | 96.2 | 97.2 | 97.8 |
| GE 1200 | | 91.2 | 93.8 | 94.5 | 95.0 | 95.6 | 95.8 | 95.8 | 96.0 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 | 97.6 | 98.2 |
| GE 1000 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 900 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 800 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 700 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 600 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 500 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 400 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 300 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 200 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 100 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 99.1 |
| GE 0 | | 91.5 | 94.0 | 94.7 | 95.3 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 967

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(EST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| IN | FEET | GE | GL | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF | GE | GF |
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GF | 16000 | | | | | | | | | | | | | | | | |
| GF | 14000 | | | | | | | | | | | | | | | | |
| GF | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GF | 9000 | | | | | | | | | | | | | | | | |
| GF | 8000 | | | | | | | | | | | | | | | | |
| GF | 7000 | | | | | | | | | | | | | | | | |
| GF | 6000 | | | | | | | | | | | | | | | | |
| GF | 5000 | | 78.1 | 79.4 | 79.7 | 80.1 | 80.1 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.6 | 80.8 | 81.0 | 81.6 | 81.7 |
| GF | 4500 | | 79.9 | 81.4 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.6 | 82.6 | 82.8 | 82.9 | 83.1 | 83.3 | 83.9 | 84.0 |
| GF | 4000 | | 84.3 | 86.0 | 86.5 | 86.8 | 86.8 | 87.0 | 87.0 | 87.4 | 87.4 | 87.5 | 87.6 | 87.8 | 88.1 | 88.7 | 88.8 |
| GF | 3500 | | 86.9 | 88.7 | 89.2 | 89.6 | 89.6 | 89.8 | 89.8 | 90.2 | 90.2 | 90.3 | 90.4 | 90.6 | 90.9 | 91.4 | 91.6 |
| GF | 3000 | | 88.2 | 90.2 | 90.9 | 91.2 | 91.2 | 91.4 | 91.4 | 91.8 | 91.8 | 91.9 | 92.0 | 92.2 | 92.5 | 93.1 | 93.2 |
| GF | 2500 | | 89.4 | 91.3 | 92.0 | 92.5 | 92.5 | 92.7 | 92.7 | 93.1 | 93.1 | 93.2 | 93.3 | 93.5 | 93.8 | 94.3 | 94.4 |
| GF | 2000 | | 90.5 | 92.5 | 93.2 | 93.6 | 93.6 | 93.9 | 93.9 | 94.2 | 94.2 | 94.3 | 94.4 | 94.7 | 94.9 | 95.5 | 95.6 |
| GF | 1800 | | 91.6 | 93.5 | 94.2 | 94.7 | 94.7 | 94.9 | 94.9 | 95.3 | 95.3 | 95.4 | 95.5 | 95.7 | 95.9 | 96.5 | 96.6 |
| GF | 1500 | | 92.7 | 94.9 | 95.7 | 96.3 | 96.4 | 96.6 | 96.6 | 97.0 | 97.0 | 97.1 | 97.2 | 97.5 | 97.7 | 98.1 | 98.4 |
| GF | 1200 | | 92.8 | 95.0 | 95.9 | 96.5 | 96.6 | 96.9 | 96.9 | 97.2 | 97.2 | 97.3 | 97.5 | 97.7 | 97.9 | 98.5 | 98.6 |
| GF | 1000 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 900 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 800 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 700 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 600 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 500 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 400 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 300 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.8 | 99.4 | 99.5 |
| GF | 200 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 99.0 | 99.7 | 99.8 |
| GF | 100 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 99.0 | 99.7 | 100.0 |
| GF | 0 | | 93.1 | 95.4 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 99.0 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(EST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|----|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| IN | GL | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 77.4 | 78.1 | 79.9 | 79.5 | 79.8 | 80.0 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 | 81.0 | 81.1 | |
| GE 4500 | | | 79.1 | 79.8 | 80.6 | 81.2 | 81.5 | 81.9 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.2 | 82.8 | 82.9 | |
| GE 4000 | | | 81.9 | 82.7 | 83.5 | 84.1 | 84.5 | 84.9 | 85.0 | 85.1 | 85.1 | 85.2 | 85.4 | 85.5 | 86.0 | 86.2 | |
| GE 3500 | | | 85.0 | 85.9 | 86.9 | 87.4 | 87.9 | 88.2 | 88.4 | 88.5 | 88.5 | 88.6 | 88.7 | 88.8 | 89.4 | 89.5 | |
| GE 3000 | | | 87.5 | 88.5 | 89.5 | 90.1 | 90.5 | 90.9 | 91.0 | 91.1 | 91.1 | 91.2 | 91.3 | 91.5 | 92.0 | 92.2 | |
| GE 2500 | | | 88.4 | 89.3 | 90.4 | 91.0 | 91.5 | 92.0 | 92.2 | 92.3 | 92.3 | 92.4 | 92.5 | 92.6 | 93.2 | 93.3 | |
| GE 2000 | | | 89.6 | 90.5 | 92.0 | 92.7 | 93.3 | 93.9 | 94.0 | 94.1 | 94.1 | 94.2 | 94.3 | 94.5 | 95.0 | 95.2 | |
| GE 1800 | | | 90.4 | 91.3 | 93.0 | 93.7 | 94.2 | 94.8 | 94.9 | 95.0 | 95.0 | 95.2 | 95.3 | 95.4 | 96.0 | 96.1 | |
| GE 1500 | | | 91.8 | 92.7 | 94.8 | 95.6 | 96.3 | 96.9 | 97.0 | 97.2 | 97.2 | 97.3 | 97.5 | 97.6 | 98.2 | 98.3 | |
| GE 1200 | | | 92.2 | 93.1 | 95.2 | 96.0 | 96.7 | 97.2 | 97.3 | 97.7 | 97.7 | 97.8 | 97.9 | 98.0 | 98.6 | 98.7 | |
| GE 1000 | | | 92.2 | 93.2 | 95.4 | 96.2 | 97.0 | 97.7 | 97.8 | 98.2 | 98.2 | 98.3 | 98.4 | 98.5 | 99.1 | 99.2 | |
| GE 900 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.5 | 98.6 | 99.2 | 99.3 | |
| GE 800 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.5 | 98.6 | 99.2 | 99.3 | |
| GE 700 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.5 | 98.6 | 99.2 | 99.3 | |
| GE 600 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.5 | 98.6 | 99.2 | 99.3 | |
| GE 500 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.7 | 98.8 | 99.4 | 99.5 | |
| GE 400 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.7 | 98.8 | 99.4 | 99.5 | |
| GE 300 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.8 | 99.0 | 99.5 | 99.7 | |
| GE 200 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.8 | 99.0 | 99.5 | 99.8 | |
| GE 100 | | | 92.3 | 93.3 | 95.5 | 96.3 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.4 | 98.8 | 99.0 | 99.5 | 99.8 | |
| GE 0 | | | 92.2 | 93.4 | 95.6 | 96.4 | 97.2 | 97.9 | 98.0 | 98.4 | 98.4 | 98.5 | 99.0 | 99.1 | 99.7 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|
| | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| NO CELL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 77.1 | 77.8 | 78.8 | 79.0 | 79.0 | 79.5 | 79.5 | 79.7 | 79.7 | 80.1 | 80.3 | 80.5 | 80.9 | 80.9 |
| GE 4500 | | | 78.2 | 79.0 | 80.1 | 80.3 | 80.3 | 80.8 | 80.8 | 81.0 | 81.0 | 81.3 | 81.5 | 81.8 | 82.1 | 82.1 |
| GE 4000 | | | 81.2 | 82.5 | 83.8 | 84.1 | 84.2 | 84.6 | 84.6 | 84.9 | 84.9 | 85.2 | 85.4 | 85.6 | 86.0 | 86.0 |
| GE 3500 | | | 84.4 | 85.9 | 87.5 | 87.7 | 87.8 | 88.3 | 88.3 | 88.5 | 88.5 | 89.0 | 89.2 | 89.4 | 89.7 | 89.7 |
| GE 3000 | | | 87.2 | 88.8 | 90.7 | 90.9 | 91.0 | 91.5 | 91.5 | 91.7 | 91.7 | 92.1 | 92.5 | 92.7 | 93.1 | 93.1 |
| GE 2500 | | | 87.8 | 89.5 | 91.5 | 91.8 | 92.0 | 92.5 | 92.5 | 92.7 | 92.7 | 93.2 | 93.5 | 93.7 | 94.1 | 94.1 |
| GE 2000 | | | 89.4 | 91.2 | 93.4 | 93.7 | 94.1 | 94.5 | 94.5 | 94.9 | 94.9 | 95.3 | 95.8 | 96.0 | 96.5 | 96.5 |
| GE 1800 | | | 89.7 | 91.6 | 93.7 | 94.1 | 94.5 | 95.0 | 95.0 | 95.3 | 95.3 | 95.8 | 96.2 | 96.5 | 96.9 | 96.9 |
| GE 1500 | | | 90.5 | 92.4 | 95.0 | 95.3 | 96.0 | 96.6 | 96.6 | 96.9 | 96.9 | 97.4 | 97.8 | 98.1 | 98.5 | 98.5 |
| GE 1200 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.8 | 96.8 | 97.2 | 97.2 | 97.6 | 98.1 | 98.4 | 99.0 | 99.0 |
| GE 1000 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.9 | 96.9 | 97.3 | 97.3 | 97.7 | 98.2 | 98.5 | 99.1 | 99.1 |
| GE 900 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.9 | 96.9 | 97.3 | 97.3 | 97.7 | 98.2 | 98.5 | 99.1 | 99.1 |
| GE 800 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.9 | 97.0 | 97.7 | 97.7 | 98.2 | 98.6 | 99.0 | 99.5 | 99.5 |
| GE 700 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.9 | 97.0 | 97.7 | 97.7 | 98.2 | 98.6 | 99.0 | 99.5 | 99.5 |
| GE 600 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.9 | 97.0 | 97.7 | 97.7 | 98.2 | 98.6 | 99.0 | 99.5 | 99.5 |
| GE 500 | | | 90.7 | 92.5 | 95.1 | 95.4 | 96.1 | 96.9 | 97.0 | 97.7 | 97.7 | 98.2 | 98.6 | 99.0 | 99.5 | 99.5 |
| GE 400 | | | 90.7 | 92.5 | 95.2 | 95.6 | 96.2 | 97.0 | 97.2 | 97.8 | 97.8 | 98.3 | 98.7 | 99.1 | 99.7 | 99.8 |
| GE 300 | | | 90.7 | 92.5 | 95.2 | 95.6 | 96.2 | 97.0 | 97.2 | 97.8 | 97.8 | 98.3 | 98.7 | 99.1 | 99.7 | 99.8 |
| GE 200 | | | 90.7 | 92.5 | 95.2 | 95.6 | 96.2 | 97.0 | 97.2 | 97.8 | 97.8 | 98.3 | 98.7 | 99.3 | 99.9 | 100.0 |
| GE 100 | | | 90.7 | 92.5 | 95.2 | 95.6 | 96.2 | 97.0 | 97.2 | 97.8 | 97.8 | 98.3 | 98.7 | 99.3 | 99.9 | 100.0 |
| GE 0 | | | 90.7 | 92.5 | 95.2 | 95.6 | 96.2 | 97.0 | 97.2 | 97.8 | 97.8 | 98.3 | 98.7 | 99.3 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 878

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7500 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 979

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS/LSLT: 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | SL 3/4 | GE 5/8 | SL 1/2 | GE 5/16 | GE 1/4 | GF 0 |
| NO CLIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | 78.0 | 78.9 | 79.3 | 79.4 | 79.7 | 80.0 | 80.0 | 80.3 | 81.3 | 80.3 | 80.4 | 80.5 | 81.1 | 81.4 | |
| GE | 4000 | | 78.8 | 79.7 | 80.0 | 80.2 | 80.5 | 80.8 | 80.8 | 81.1 | 81.1 | 81.1 | 81.2 | 81.3 | 81.9 | 82.2 | |
| GE | 4000 | | 82.5 | 83.8 | 84.2 | 84.5 | 84.8 | 85.1 | 85.1 | 85.4 | 85.4 | 85.4 | 85.5 | 85.6 | 86.2 | 86.5 | |
| GE | 3500 | | 85.0 | 86.5 | 87.1 | 87.3 | 87.6 | 88.0 | 88.0 | 88.3 | 88.3 | 88.3 | 88.4 | 88.7 | 89.2 | 89.6 | |
| GE | 3000 | | 89.5 | 91.0 | 91.8 | 92.1 | 92.4 | 92.7 | 92.7 | 93.1 | 93.1 | 93.1 | 93.2 | 93.4 | 94.0 | 94.3 | |
| GE | 2500 | | 90.6 | 92.4 | 93.2 | 93.4 | 93.8 | 94.1 | 94.1 | 94.4 | 94.4 | 94.4 | 94.6 | 94.8 | 95.4 | 95.7 | |
| GE | 2000 | | 91.6 | 93.4 | 94.6 | 94.8 | 95.2 | 95.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.1 | 96.4 | 96.9 | 97.3 | |
| GE | 1800 | | 91.8 | 93.7 | 94.8 | 95.0 | 95.5 | 95.8 | 95.8 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 | 97.2 | 97.5 | |
| GE | 1500 | | 92.0 | 93.8 | 94.9 | 95.1 | 95.9 | 96.3 | 96.3 | 96.7 | 96.7 | 96.7 | 96.8 | 97.1 | 97.6 | 98.0 | |
| GE | 1200 | | 92.4 | 94.2 | 95.4 | 95.6 | 96.4 | 96.7 | 96.7 | 97.2 | 97.2 | 97.2 | 97.3 | 97.5 | 98.1 | 98.4 | |
| GE | 1000 | | 92.5 | 94.3 | 95.5 | 95.7 | 96.5 | 96.9 | 96.9 | 97.4 | 97.4 | 97.4 | 97.6 | 97.8 | 98.4 | 98.8 | |
| GE | 900 | | 92.6 | 94.4 | 95.6 | 95.8 | 96.6 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.7 | 98.0 | 98.5 | 98.9 | |
| GE | 800 | | 92.6 | 94.4 | 95.6 | 95.8 | 96.6 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.7 | 98.0 | 98.5 | 98.9 | |
| GE | 700 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.0 | 98.2 | 98.8 | 99.1 | |
| GE | 600 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.0 | 98.2 | 98.8 | 99.1 | |
| GE | 500 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.0 | 98.2 | 98.8 | 99.1 | |
| GE | 400 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.0 | 98.2 | 98.8 | 99.1 | |
| GE | 300 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.2 | 98.4 | 99.2 | 99.5 | |
| GE | 200 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.2 | 98.4 | 99.2 | 99.5 | |
| GE | 100 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.2 | 98.4 | 99.2 | 100.0 | |
| GE | 0 | | 92.9 | 94.7 | 95.8 | 96.0 | 96.8 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.2 | 98.4 | 99.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 582

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(IST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | 77.9 | 78.5 | 79.0 | 79.3 | 80.0 | 80.1 | 80.1 | 80.2 | 80.4 | 80.4 | 80.9 | 80.9 | 81.6 | 81.7 | |
| GE | 4500 | | 79.0 | 79.5 | 80.0 | 80.3 | 81.1 | 81.2 | 81.2 | 81.5 | 81.6 | 81.6 | 82.0 | 82.0 | 82.7 | 82.8 | |
| GE | 4000 | | 83.2 | 84.2 | 84.6 | 85.1 | 85.9 | 86.0 | 86.0 | 86.5 | 86.6 | 86.6 | 87.0 | 87.0 | 87.7 | 87.8 | |
| GE | 3500 | | 85.6 | 86.7 | 87.1 | 87.6 | 88.4 | 88.5 | 88.5 | 89.0 | 89.1 | 89.1 | 89.5 | 89.5 | 90.2 | 90.3 | |
| GE | 3000 | | 89.1 | 90.2 | 90.9 | 91.4 | 92.2 | 92.3 | 92.3 | 92.7 | 92.8 | 92.8 | 93.3 | 93.3 | 94.0 | 94.1 | |
| GE | 2500 | | 89.8 | 91.0 | 91.7 | 92.2 | 92.9 | 93.1 | 93.1 | 93.5 | 93.6 | 93.6 | 94.1 | 94.1 | 94.8 | 94.9 | |
| GE | 2000 | | 90.8 | 92.0 | 92.9 | 93.4 | 94.5 | 95.0 | 95.0 | 95.7 | 95.8 | 95.8 | 96.2 | 96.2 | 96.9 | 97.0 | |
| GE | 1800 | | 91.1 | 92.4 | 93.3 | 93.7 | 94.9 | 95.3 | 95.3 | 96.0 | 96.1 | 96.1 | 96.6 | 96.6 | 97.3 | 97.4 | |
| GE | 1500 | | 91.1 | 92.4 | 93.3 | 93.7 | 94.9 | 95.3 | 95.3 | 96.0 | 96.1 | 96.1 | 96.6 | 96.6 | 97.3 | 97.4 | |
| GE | 1200 | | 91.4 | 92.6 | 93.5 | 94.0 | 95.1 | 95.6 | 95.6 | 96.2 | 96.4 | 96.4 | 96.8 | 96.8 | 97.5 | 97.6 | |
| GE | 1000 | | 91.6 | 92.8 | 93.7 | 94.2 | 95.4 | 95.9 | 95.9 | 96.8 | 96.9 | 96.9 | 97.6 | 97.6 | 98.3 | 98.4 | |
| GE | 900 | | 91.8 | 93.1 | 94.0 | 94.4 | 95.7 | 96.1 | 96.1 | 97.0 | 97.2 | 97.2 | 97.8 | 97.8 | 98.5 | 98.6 | |
| GE | 800 | | 91.8 | 93.1 | 94.0 | 94.4 | 95.9 | 96.4 | 96.4 | 97.3 | 97.4 | 97.4 | 98.1 | 98.1 | 98.7 | 98.9 | |
| GE | 700 | | 91.6 | 93.1 | 94.0 | 94.4 | 95.9 | 96.4 | 96.4 | 97.3 | 97.4 | 97.4 | 98.1 | 98.1 | 98.7 | 98.9 | |
| GE | 600 | | 91.8 | 93.1 | 94.0 | 94.4 | 95.9 | 96.4 | 96.4 | 97.3 | 97.4 | 97.4 | 98.1 | 98.1 | 98.7 | 98.9 | |
| GE | 500 | | 91.8 | 93.1 | 94.0 | 94.4 | 95.9 | 96.4 | 96.4 | 97.3 | 97.4 | 97.4 | 98.1 | 98.1 | 98.7 | 98.9 | |
| GE | 400 | | 91.8 | 93.2 | 94.1 | 94.5 | 96.0 | 96.5 | 96.5 | 97.4 | 97.5 | 97.5 | 98.2 | 98.2 | 99.0 | 99.1 | |
| GE | 300 | | 91.8 | 93.2 | 94.1 | 94.5 | 96.0 | 96.5 | 96.5 | 97.4 | 97.5 | 97.5 | 98.3 | 98.3 | 99.1 | 99.2 | |
| GE | 200 | | 91.8 | 93.2 | 94.1 | 94.5 | 96.0 | 96.5 | 96.5 | 97.4 | 97.5 | 97.5 | 98.4 | 98.4 | 99.2 | 99.3 | |
| GE | 100 | | 91.8 | 93.2 | 94.1 | 94.5 | 96.0 | 96.5 | 96.5 | 97.4 | 97.5 | 97.5 | 98.4 | 98.4 | 99.2 | 99.3 | |
| GE | 0 | | 91.8 | 93.2 | 94.1 | 94.5 | 96.0 | 96.5 | 96.5 | 97.4 | 97.5 | 97.5 | 98.4 | 98.4 | 99.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(EST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-----|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | 78.1 | 79.1 | 79.7 | 79.9 | 80.2 | 80.4 | 80.4 | 80.6 | 80.6 | 80.7 | 80.9 | 81.0 | 81.6 | 81.8 | |
| GE | 4500 | | 79.5 | 80.5 | 81.1 | 81.4 | 81.6 | 81.9 | 81.9 | 82.1 | 82.1 | 82.2 | 82.4 | 82.5 | 83.0 | 83.2 | |
| GE | 4000 | | 82.9 | 84.2 | 85.0 | 85.3 | 85.6 | 85.8 | 85.9 | 86.1 | 86.1 | 86.2 | 86.5 | 86.6 | 87.1 | 87.3 | |
| GE | 3500 | | 85.6 | 87.1 | 88.0 | 88.3 | 88.6 | 88.9 | 88.9 | 89.1 | 89.1 | 89.2 | 89.5 | 89.6 | 90.2 | 90.4 | |
| GE | 3000 | | 88.1 | 89.7 | 90.8 | 91.1 | 91.4 | 91.7 | 91.7 | 92.0 | 92.0 | 92.1 | 92.4 | 92.6 | 93.1 | 93.3 | |
| GE | 2500 | | 89.6 | 90.7 | 91.9 | 92.2 | 92.5 | 92.9 | 92.9 | 93.1 | 93.2 | 93.3 | 93.6 | 93.7 | 94.2 | 94.4 | |
| GE | 2000 | | 90.2 | 91.9 | 93.3 | 93.7 | 94.2 | 94.6 | 94.6 | 94.9 | 95.0 | 95.1 | 95.4 | 95.5 | 96.1 | 96.3 | |
| GE | 1800 | | 90.7 | 92.4 | 93.8 | 94.3 | 94.8 | 95.2 | 95.2 | 95.5 | 95.6 | 95.7 | 96.0 | 96.1 | 96.7 | 96.9 | |
| GE | 1500 | | 91.2 | 93.1 | 94.6 | 95.1 | 95.7 | 96.1 | 96.2 | 96.5 | 96.6 | 96.6 | 97.0 | 97.1 | 97.7 | 97.9 | |
| GE | 1200 | | 91.5 | 93.4 | 94.9 | 95.4 | 96.1 | 96.5 | 96.5 | 96.8 | 96.9 | 97.0 | 97.3 | 97.5 | 98.1 | 98.3 | |
| GE | 1000 | | 91.7 | 93.5 | 95.1 | 95.6 | 96.3 | 96.8 | 96.8 | 97.3 | 97.4 | 97.5 | 97.9 | 98.0 | 98.7 | 98.9 | |
| GE | 900 | | 91.7 | 93.6 | 95.1 | 95.6 | 96.4 | 96.9 | 96.9 | 97.4 | 97.4 | 97.5 | 98.0 | 98.1 | 98.7 | 98.9 | |
| GE | 800 | | 91.7 | 93.6 | 95.2 | 95.7 | 96.5 | 97.0 | 97.0 | 97.5 | 97.6 | 97.7 | 98.1 | 98.3 | 98.9 | 99.1 | |
| GE | 700 | | 91.8 | 93.6 | 95.2 | 95.7 | 96.5 | 97.0 | 97.1 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.9 | 99.1 | |
| GE | 600 | | 91.8 | 93.6 | 95.2 | 95.7 | 96.5 | 97.0 | 97.1 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.9 | 99.1 | |
| GE | 500 | | 91.8 | 93.6 | 95.2 | 95.7 | 96.5 | 97.0 | 97.1 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.9 | 99.1 | |
| GE | 400 | | 91.8 | 93.7 | 95.3 | 95.7 | 96.5 | 97.1 | 97.1 | 97.6 | 97.7 | 97.8 | 98.3 | 98.4 | 99.0 | 99.2 | |
| GE | 300 | | 91.8 | 93.7 | 95.3 | 95.7 | 96.5 | 97.1 | 97.1 | 97.6 | 97.7 | 97.8 | 98.3 | 98.5 | 99.1 | 99.4 | |
| GE | 200 | | 91.8 | 93.7 | 95.3 | 95.7 | 96.6 | 97.1 | 97.1 | 97.6 | 97.7 | 97.8 | 98.4 | 98.5 | 99.2 | 99.5 | |
| GE | 100 | | 91.8 | 93.7 | 95.3 | 95.7 | 96.6 | 97.1 | 97.1 | 97.6 | 97.7 | 97.8 | 98.4 | 98.6 | 99.3 | 99.9 | |
| GE | 0 | | 91.8 | 93.7 | 95.3 | 95.8 | 96.6 | 97.1 | 97.1 | 97.7 | 97.7 | 97.8 | 98.4 | 98.6 | 99.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 6990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 0000-0200

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE | 20000 | | | | | | | | | | | | | | | | |
| GE | 18000 | | | | | | | | | | | | | | | | |
| GE | 16000 | | | | | | | | | | | | | | | | |
| GE | 14000 | | | | | | | | | | | | | | | | |
| GE | 12000 | | | | | | | | | | | | | | | | |
| GE | 10000 | | | | | | | | | | | | | | | | |
| GE | 9000 | | | | | | | | | | | | | | | | |
| GE | 8000 | | | | | | | | | | | | | | | | |
| GE | 7000 | | | | | | | | | | | | | | | | |
| GE | 6000 | | | | | | | | | | | | | | | | |
| GE | 5000 | | | | | | | | | | | | | | | | |
| GE | 4500 | | | | | | | | | | | | | | | | |
| GE | 4000 | | | | | | | | | | | | | | | | |
| GE | 3500 | | | | | | | | | | | | | | | | |
| GE | 3000 | | | | | | | | | | | | | | | | |
| GE | 2500 | | | | | | | | | | | | | | | | |
| GE | 2000 | | | | | | | | | | | | | | | | |
| GE | 1800 | | | | | | | | | | | | | | | | |
| GE | 1600 | | | | | | | | | | | | | | | | |
| GE | 1400 | | | | | | | | | | | | | | | | |
| GE | 1200 | | | | | | | | | | | | | | | | |
| GE | 1000 | | | | | | | | | | | | | | | | |
| GE | 900 | | | | | | | | | | | | | | | | |
| GE | 800 | | | | | | | | | | | | | | | | |
| GE | 700 | | | | | | | | | | | | | | | | |
| GE | 600 | | | | | | | | | | | | | | | | |
| GE | 500 | | | | | | | | | | | | | | | | |
| GE | 400 | | | | | | | | | | | | | | | | |
| GE | 300 | | | | | | | | | | | | | | | | |
| GE | 200 | | | | | | | | | | | | | | | | |
| GE | 100 | | | | | | | | | | | | | | | | |
| GE | 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS/STATION: 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|---|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 85.6 | 86.5 | 88.1 | 88.1 | 88.5 | 88.6 | 88.6 | 88.8 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | |
| GE 4500 | | | 87.5 | 88.4 | 90.0 | 90.0 | 90.4 | 90.5 | 90.5 | 90.7 | 91.0 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.4 | |
| GE 4000 | | | 88.7 | 89.6 | 91.3 | 91.3 | 91.6 | 91.7 | 91.7 | 91.9 | 92.5 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.8 | |
| GE 3500 | | | 90.1 | 91.3 | 92.9 | 92.9 | 93.3 | 93.4 | 93.4 | 93.6 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | |
| GE 3000 | | | 90.1 | 91.3 | 92.9 | 92.9 | 93.3 | 93.4 | 93.4 | 93.6 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | |
| | | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 90.1 | 91.3 | 92.9 | 92.9 | 93.3 | 93.4 | 93.4 | 93.6 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | |
| GE 2000 | | | 91.3 | 92.5 | 94.4 | 94.4 | 94.7 | 94.8 | 94.8 | 95.1 | 95.6 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 96.0 | |
| GE 1800 | | | 91.4 | 92.6 | 94.5 | 94.5 | 94.8 | 95.0 | 95.0 | 95.2 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | |
| GE 1500 | | | 91.6 | 92.8 | 94.7 | 94.7 | 95.4 | 95.5 | 95.5 | 95.7 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.8 | |
| GE 1200 | | | 92.2 | 93.4 | 95.3 | 95.3 | 96.0 | 96.1 | 96.1 | 96.3 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.3 | |
| | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 92.2 | 93.4 | 95.3 | 95.3 | 96.0 | 96.1 | 96.1 | 96.4 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.4 | |
| GE 900 | | | 92.2 | 93.4 | 95.3 | 95.3 | 96.0 | 96.1 | 96.1 | 96.4 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.4 | |
| GE 800 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.5 | 96.5 | 96.9 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.9 | |
| GE 700 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.5 | 96.5 | 96.9 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.9 | |
| GE 600 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.5 | 96.5 | 96.9 | 97.5 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 98.1 | |
| | | | | | | | | | | | | | | | | | | |
| GE 500 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.1 | 97.4 | 98.1 | 98.2 | 98.4 | 98.5 | 98.5 | 99.0 | |
| GE 400 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.1 | 97.4 | 98.1 | 98.2 | 98.4 | 98.5 | 98.5 | 99.1 | |
| GE 300 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.1 | 97.4 | 98.1 | 98.2 | 98.4 | 98.5 | 98.7 | 99.2 | |
| GE 200 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.1 | 97.4 | 98.1 | 98.2 | 98.8 | 98.9 | 99.0 | 99.6 | |
| GE 100 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.1 | 97.4 | 98.1 | 98.2 | 98.8 | 98.9 | 99.1 | 99.7 | |
| | | | | | | | | | | | | | | | | | | |
| GE 0 | | | 92.6 | 93.8 | 95.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.1 | 97.4 | 98.1 | 98.2 | 98.9 | 99.0 | 99.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 64.4 | 85.8 | 87.2 | 87.3 | 87.7 | 87.7 | 87.7 | 88.1 | 88.2 | 88.2 | 88.8 | 89.0 | 89.1 | 89.1 | |
| GE 4500 | | | 86.9 | 98.2 | 89.7 | 89.8 | 90.1 | 90.1 | 90.1 | 90.6 | 90.7 | 90.7 | 91.3 | 91.5 | 91.6 | 91.6 | |
| GE 4000 | | | 88.2 | 89.6 | 91.5 | 91.6 | 91.9 | 91.9 | 91.9 | 92.4 | 92.5 | 92.5 | 93.1 | 93.3 | 93.4 | 93.5 | |
| GE 3500 | | | 89.0 | 90.6 | 92.7 | 92.9 | 93.3 | 93.3 | 93.3 | 93.7 | 93.8 | 93.8 | 94.4 | 94.6 | 94.7 | 94.8 | |
| GE 3000 | | | 89.6 | 91.3 | 93.5 | 93.7 | 94.1 | 94.1 | 94.1 | 94.5 | 94.6 | 94.6 | 95.2 | 95.4 | 95.5 | 95.6 | |
| | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 90.6 | 91.7 | 94.0 | 94.2 | 94.5 | 94.5 | 94.5 | 95.0 | 95.1 | 95.1 | 95.6 | 95.9 | 96.0 | 96.1 | |
| GE 2000 | | | 90.8 | 92.5 | 94.7 | 95.0 | 95.3 | 95.3 | 95.3 | 95.7 | 96.0 | 96.0 | 96.5 | 96.8 | 96.9 | 97.0 | |
| GE 1800 | | | 90.9 | 92.6 | 94.9 | 95.1 | 95.4 | 95.4 | 95.4 | 95.9 | 96.1 | 96.1 | 96.6 | 96.9 | 97.0 | 97.1 | |
| GE 1500 | | | 91.2 | 92.8 | 95.1 | 95.3 | 95.9 | 95.9 | 95.9 | 96.3 | 96.5 | 96.5 | 97.1 | 97.3 | 97.4 | 97.5 | |
| GE 1200 | | | 91.6 | 93.5 | 95.7 | 96.0 | 96.5 | 96.5 | 96.5 | 97.0 | 97.2 | 97.2 | 97.8 | 98.0 | 98.1 | 98.2 | |
| | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 91.8 | 93.5 | 95.7 | 96.0 | 96.5 | 96.5 | 96.5 | 97.1 | 97.3 | 97.3 | 97.9 | 98.1 | 98.2 | 98.3 | |
| GE 900 | | | 91.9 | 93.6 | 95.9 | 96.1 | 96.6 | 96.6 | 96.6 | 97.2 | 97.4 | 97.4 | 98.0 | 98.2 | 98.3 | 98.4 | |
| GE 800 | | | 91.9 | 93.6 | 95.9 | 96.1 | 96.6 | 96.6 | 96.6 | 97.2 | 97.4 | 97.4 | 98.0 | 98.2 | 98.3 | 98.4 | |
| GE 700 | | | 91.9 | 93.6 | 95.9 | 96.1 | 96.6 | 96.6 | 96.6 | 97.2 | 97.4 | 97.4 | 98.0 | 98.2 | 98.3 | 98.4 | |
| GE 600 | | | 91.9 | 93.6 | 95.9 | 96.1 | 96.6 | 96.6 | 96.6 | 97.2 | 97.4 | 97.4 | 98.0 | 98.2 | 98.3 | 98.4 | |
| | | | | | | | | | | | | | | | | | |
| GE 500 | | | 91.9 | 93.6 | 96.0 | 96.3 | 96.9 | 96.9 | 96.9 | 97.4 | 97.6 | 97.6 | 98.4 | 98.7 | 98.8 | 98.9 | |
| GE 400 | | | 91.9 | 93.6 | 96.1 | 96.3 | 97.0 | 97.0 | 97.0 | 97.5 | 97.8 | 97.8 | 98.7 | 98.9 | 99.0 | 99.1 | |
| GE 300 | | | 91.9 | 93.6 | 96.1 | 96.3 | 97.1 | 97.1 | 97.1 | 97.6 | 97.9 | 97.9 | 98.8 | 99.0 | 99.2 | 99.6 | |
| GE 200 | | | 91.9 | 93.6 | 96.1 | 96.3 | 97.1 | 97.1 | 97.1 | 97.6 | 97.9 | 97.9 | 98.8 | 99.0 | 99.2 | 99.7 | |
| GE 100 | | | 91.9 | 93.6 | 96.1 | 96.3 | 97.1 | 97.1 | 97.1 | 97.6 | 97.9 | 97.9 | 98.9 | 99.1 | 99.3 | 100.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 0 | | | 91.9 | 93.6 | 96.1 | 96.3 | 97.1 | 97.1 | 97.1 | 97.6 | 97.9 | 97.9 | 98.9 | 99.1 | 99.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | 83.0 | 83.6 | 84.7 | 84.7 | 85.0 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 86.2 | 86.2 |
| GE 4500 | | | 85.0 | 85.7 | 87.0 | 87.0 | 87.3 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.4 | 88.4 | 89.6 | 89.6 |
| GE 4000 | | | 87.3 | 88.1 | 89.5 | 89.6 | 90.1 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 91.1 | 91.1 | 91.3 | 91.3 |
| GE 3500 | | | 87.9 | 88.9 | 90.4 | 90.5 | 91.0 | 91.6 | 91.6 | 91.7 | 91.8 | 91.8 | 92.2 | 92.2 | 92.4 | 92.4 |
| GE 3000 | | | 88.9 | 90.2 | 91.7 | 91.8 | 92.3 | 92.8 | 92.8 | 93.0 | 93.1 | 93.1 | 93.4 | 93.4 | 93.7 | 93.7 |
| GE 2500 | | | 89.6 | 90.9 | 92.4 | 92.5 | 93.0 | 93.5 | 93.5 | 93.7 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 |
| GE 2000 | | | 90.0 | 91.3 | 92.8 | 93.0 | 93.4 | 94.0 | 94.0 | 94.1 | 94.2 | 94.2 | 94.6 | 94.6 | 94.8 | 94.8 |
| GE 1800 | | | 90.1 | 91.5 | 93.0 | 93.1 | 93.5 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.7 | 94.7 | 94.9 | 94.9 |
| GE 1500 | | | 90.8 | 92.2 | 93.7 | 93.8 | 94.5 | 95.2 | 95.2 | 95.4 | 95.5 | 95.5 | 95.8 | 95.8 | 96.1 | 96.1 |
| GE 1200 | | | 91.5 | 92.8 | 94.3 | 94.5 | 95.2 | 96.2 | 96.2 | 96.4 | 96.5 | 96.5 | 96.9 | 96.9 | 97.1 | 97.1 |
| GE 1000 | | | 92.0 | 93.4 | 94.9 | 95.0 | 95.7 | 96.8 | 96.8 | 97.1 | 97.2 | 97.2 | 97.6 | 97.6 | 97.8 | 97.8 |
| GE 900 | | | 92.0 | 93.4 | 94.9 | 95.0 | 95.7 | 96.8 | 96.8 | 97.1 | 97.2 | 97.2 | 97.6 | 97.6 | 97.8 | 97.8 |
| GE 800 | | | 92.3 | 93.7 | 95.2 | 95.3 | 96.0 | 97.0 | 97.0 | 97.3 | 97.5 | 97.5 | 97.9 | 97.9 | 98.2 | 98.2 |
| GE 700 | | | 92.3 | 93.7 | 95.2 | 95.3 | 96.0 | 97.1 | 97.1 | 97.5 | 97.6 | 97.6 | 98.0 | 98.0 | 98.3 | 98.3 |
| GE 600 | | | 92.5 | 93.9 | 95.4 | 95.5 | 96.2 | 97.3 | 97.3 | 97.7 | 97.8 | 97.8 | 98.3 | 98.3 | 98.5 | 98.5 |
| GE 500 | | | 92.6 | 94.0 | 95.6 | 95.7 | 96.4 | 97.6 | 97.6 | 97.9 | 98.0 | 98.0 | 98.5 | 98.5 | 98.7 | 98.7 |
| GE 400 | | | 92.6 | 94.0 | 95.7 | 95.8 | 96.5 | 97.7 | 97.7 | 98.0 | 98.2 | 98.2 | 98.6 | 98.6 | 98.8 | 98.8 |
| GE 300 | | | 92.6 | 94.0 | 95.7 | 95.8 | 96.5 | 97.7 | 97.7 | 98.2 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 |
| GE 200 | | | 92.6 | 94.0 | 95.7 | 95.8 | 96.5 | 97.7 | 97.7 | 98.3 | 98.4 | 98.4 | 98.8 | 98.8 | 99.1 | 99.1 |
| GE 100 | | | 92.6 | 94.0 | 95.7 | 95.8 | 96.5 | 97.7 | 97.7 | 98.3 | 98.4 | 98.4 | 98.8 | 98.8 | 99.1 | 99.1 |
| GE 0 | | | 92.6 | 94.0 | 95.7 | 95.8 | 96.5 | 97.7 | 97.7 | 98.3 | 98.4 | 98.4 | 98.8 | 98.8 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|-------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.0 | 84.7 | 85.5 | 86.2 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.7 | 86.8 | 86.8 | 87.1 | 87.3 | |
| GE 4500 | | | 85.6 | 86.5 | 87.5 | 88.2 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 89.1 | 89.4 | |
| GE 4000 | | | 88.3 | 89.2 | 90.5 | 91.2 | 91.5 | 91.6 | 91.6 | 91.8 | 91.8 | 91.9 | 92.0 | 92.0 | 92.2 | 92.4 | |
| GE 3500 | | | 89.2 | 90.2 | 91.5 | 92.2 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.2 | 93.5 | |
| GE 3000 | | | 90.6 | 91.8 | 93.1 | 93.8 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.6 | 94.6 | 94.9 | 95.1 | |
| | | | | | | | | | | | | | | | | | |
| GE 2500 | | | 90.6 | 91.8 | 93.1 | 93.8 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.6 | 94.6 | 94.9 | 95.1 | |
| GE 2000 | | | 91.1 | 92.3 | 93.7 | 94.4 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.4 | 95.7 | |
| GE 1800 | | | 91.5 | 92.8 | 94.2 | 94.9 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.5 | 95.7 | 95.7 | 95.9 | 96.1 | |
| GE 1500 | | | 92.1 | 93.4 | 94.9 | 95.5 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.6 | 96.8 | |
| GE 1200 | | | 92.2 | 93.5 | 95.0 | 95.7 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.3 | 96.6 | 96.6 | 96.8 | 97.0 | |
| | | | | | | | | | | | | | | | | | |
| GE 1000 | | | 92.4 | 93.7 | 95.2 | 95.9 | 96.2 | 96.3 | 96.3 | 96.5 | 96.5 | 96.6 | 96.8 | 96.8 | 97.0 | 97.3 | |
| GE 900 | | | 92.4 | 93.7 | 95.2 | 95.9 | 96.2 | 96.3 | 96.3 | 96.6 | 96.7 | 96.8 | 97.0 | 97.0 | 97.3 | 97.5 | |
| GE 800 | | | 92.9 | 94.2 | 95.8 | 96.5 | 96.8 | 96.9 | 96.9 | 97.1 | 97.3 | 97.4 | 97.7 | 97.7 | 97.9 | 98.2 | |
| GE 700 | | | 93.0 | 94.3 | 95.9 | 96.6 | 96.9 | 97.0 | 97.0 | 97.3 | 97.4 | 97.5 | 97.8 | 97.8 | 98.1 | 98.3 | |
| GE 600 | | | 93.1 | 94.4 | 96.0 | 96.7 | 97.0 | 97.1 | 97.1 | 97.4 | 97.5 | 97.6 | 97.9 | 97.9 | 98.2 | 98.4 | |
| | | | | | | | | | | | | | | | | | |
| GE 500 | | | 93.2 | 94.5 | 96.2 | 97.1 | 97.5 | 97.6 | 97.6 | 97.8 | 97.9 | 98.1 | 98.4 | 98.4 | 98.6 | 98.9 | |
| GE 400 | | | 93.4 | 94.6 | 96.3 | 97.3 | 97.6 | 97.8 | 97.8 | 98.1 | 98.2 | 98.3 | 98.6 | 98.6 | 98.9 | 99.1 | |
| GE 300 | | | 93.4 | 94.6 | 96.3 | 97.3 | 97.6 | 97.9 | 97.9 | 98.3 | 98.4 | 98.5 | 98.9 | 98.9 | 99.1 | 99.3 | |
| GE 200 | | | 93.4 | 94.6 | 96.3 | 97.3 | 97.6 | 97.9 | 97.9 | 98.3 | 98.4 | 98.5 | 98.9 | 98.9 | 99.1 | 99.4 | |
| GE 100 | | | 93.4 | 94.6 | 96.3 | 97.3 | 97.6 | 97.9 | 97.9 | 98.3 | 98.4 | 98.5 | 98.9 | 98.9 | 99.2 | 99.7 | |
| | | | | | | | | | | | | | | | | | |
| GE 0 | | | 93.4 | 94.6 | 96.3 | 97.3 | 97.6 | 97.9 | 97.9 | 98.3 | 98.4 | 98.5 | 98.9 | 98.9 | 99.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | |
| GE 5000 | | | 83.5 | 84.0 | 84.6 | 85.0 | 85.5 | 85.5 | 85.6 | 86.1 | 86.1 | 86.1 | 86.1 | 86.3 | 86.3 |
| GE 4500 | | | 84.8 | 85.4 | 85.9 | 86.7 | 87.2 | 87.2 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 |
| GE 4000 | | | 88.2 | 88.8 | 89.5 | 90.3 | 90.8 | 90.8 | 90.9 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 |
| GE 3500 | | | 89.7 | 90.4 | 91.1 | 91.8 | 92.4 | 92.4 | 92.5 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 |
| GE 3000 | | | 90.6 | 91.5 | 92.3 | 93.1 | 93.6 | 93.6 | 93.7 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 |
| GE 2500 | | | 91.3 | 92.3 | 93.1 | 93.9 | 94.4 | 94.4 | 94.5 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 |
| GE 2000 | | | 92.0 | 93.0 | 93.7 | 94.5 | 95.1 | 95.1 | 95.2 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 |
| GE 1800 | | | 92.2 | 93.2 | 94.1 | 94.9 | 95.4 | 95.4 | 95.5 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 |
| GE 1500 | | | 92.7 | 93.7 | 94.6 | 95.4 | 96.4 | 96.4 | 96.5 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 |
| GE 1200 | | | 92.7 | 93.7 | 94.6 | 95.4 | 96.4 | 96.4 | 96.5 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 |
| GE 1000 | | | 92.8 | 94.0 | 95.0 | 95.8 | 96.8 | 96.8 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 |
| GE 900 | | | 92.8 | 94.0 | 95.0 | 95.8 | 97.0 | 97.0 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| GE 800 | | | 93.1 | 94.1 | 95.1 | 95.9 | 97.1 | 97.1 | 97.3 | 97.9 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 |
| GE 700 | | | 93.1 | 94.1 | 95.1 | 95.9 | 97.1 | 97.1 | 97.3 | 97.9 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 |
| GE 600 | | | 93.1 | 94.1 | 95.1 | 95.9 | 97.3 | 97.3 | 97.5 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 |
| GE 500 | | | 93.1 | 94.1 | 95.1 | 96.0 | 97.4 | 97.4 | 97.7 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 |
| GE 400 | | | 93.3 | 94.4 | 95.4 | 96.3 | 97.8 | 97.8 | 98.0 | 98.5 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 |
| GE 300 | | | 93.4 | 94.5 | 95.5 | 96.4 | 97.9 | 97.9 | 98.1 | 98.7 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 |
| GE 200 | | | 93.5 | 94.7 | 95.8 | 96.6 | 98.2 | 98.2 | 98.4 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 |
| GE 100 | | | 93.5 | 94.7 | 95.8 | 96.6 | 98.2 | 98.2 | 98.4 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 |
| GE 0 | | | 93.5 | 94.7 | 95.8 | 96.6 | 98.2 | 98.2 | 98.4 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS: 895

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1800-2000

TOTAL NUMBER OF OBSERVATIONS: 223

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 83.5 | 84.3 | 85.2 | 85.2 | 85.9 | 86.4 | 86.4 | 86.8 | 86.9 | 86.9 | 87.7 | 87.7 | 87.7 | 87.7 | |
| GE 4500 | | | 84.6 | 85.5 | 86.5 | 86.5 | 87.2 | 87.7 | 87.7 | 88.1 | 88.2 | 88.2 | 89.0 | 89.0 | 89.0 | 89.2 | |
| GE 4000 | | | 85.8 | 86.7 | 87.7 | 87.7 | 88.5 | 89.0 | 89.0 | 89.4 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.5 | |
| GE 3500 | | | 87.0 | 87.9 | 88.9 | 88.9 | 89.7 | 90.3 | 90.3 | 90.7 | 90.8 | 90.8 | 91.6 | 91.6 | 91.6 | 91.8 | |
| GE 3000 | | | 87.4 | 88.3 | 89.6 | 89.6 | 90.5 | 91.0 | 91.0 | 91.5 | 91.6 | 91.6 | 92.4 | 92.4 | 92.4 | 92.7 | |
| GE 2500 | | | 87.7 | 88.5 | 90.0 | 90.0 | 90.8 | 91.4 | 91.4 | 91.8 | 91.9 | 91.9 | 92.7 | 92.8 | 92.8 | 93.1 | |
| GE 2000 | | | 88.9 | 90.0 | 91.4 | 91.4 | 92.2 | 92.8 | 92.8 | 93.2 | 93.3 | 93.3 | 94.1 | 94.2 | 94.2 | 94.5 | |
| GE 1800 | | | 88.9 | 90.1 | 91.5 | 91.5 | 92.4 | 92.9 | 92.9 | 93.3 | 93.4 | 93.4 | 94.2 | 94.3 | 94.3 | 94.7 | |
| GE 1500 | | | 89.1 | 90.6 | 92.0 | 92.0 | 92.9 | 93.6 | 93.6 | 94.0 | 94.1 | 94.1 | 94.9 | 95.0 | 95.0 | 95.4 | |
| GE 1200 | | | 89.3 | 90.8 | 92.2 | 92.2 | 93.1 | 93.8 | 93.8 | 94.2 | 94.3 | 94.3 | 95.1 | 95.2 | 95.2 | 95.6 | |
| GE 1000 | | | 89.5 | 91.2 | 92.6 | 92.6 | 93.4 | 94.1 | 94.1 | 94.5 | 94.7 | 94.7 | 95.5 | 95.6 | 95.6 | 96.1 | |
| GE 900 | | | 89.5 | 91.2 | 92.6 | 92.6 | 93.4 | 94.1 | 94.1 | 94.5 | 94.7 | 94.7 | 95.5 | 95.6 | 95.6 | 96.1 | |
| GE 800 | | | 90.0 | 91.6 | 93.0 | 93.0 | 93.9 | 94.5 | 94.5 | 95.0 | 95.1 | 95.1 | 96.1 | 96.2 | 96.2 | 96.6 | |
| GE 700 | | | 90.1 | 91.7 | 93.1 | 93.1 | 94.0 | 94.7 | 94.7 | 95.1 | 95.2 | 95.2 | 96.2 | 96.3 | 96.3 | 96.7 | |
| GE 600 | | | 90.1 | 91.7 | 93.1 | 93.1 | 94.0 | 94.7 | 94.7 | 95.1 | 95.2 | 95.2 | 96.2 | 96.3 | 96.3 | 96.7 | |
| GE 500 | | | 90.3 | 91.9 | 93.4 | 93.4 | 94.3 | 95.2 | 95.5 | 96.0 | 96.1 | 96.1 | 97.1 | 97.2 | 97.2 | 97.6 | |
| GE 400 | | | 90.6 | 92.2 | 93.8 | 93.8 | 94.7 | 95.5 | 95.9 | 96.3 | 96.4 | 96.4 | 97.4 | 97.5 | 97.5 | 97.9 | |
| GE 300 | | | 90.8 | 92.6 | 94.2 | 94.2 | 95.1 | 96.1 | 96.4 | 97.2 | 97.3 | 97.3 | 98.3 | 98.4 | 98.6 | 99.0 | |
| GE 200 | | | 90.8 | 92.6 | 94.2 | 94.2 | 95.1 | 96.1 | 96.4 | 97.2 | 97.4 | 97.4 | 98.4 | 98.5 | 98.7 | 99.2 | |
| GE 100 | | | 90.8 | 92.6 | 94.2 | 94.2 | 95.1 | 96.1 | 96.4 | 97.2 | 97.4 | 97.4 | 98.4 | 98.5 | 98.7 | 99.6 | |
| GE 0 | | | 90.8 | 92.6 | 94.2 | 94.2 | 95.1 | 96.1 | 96.4 | 97.2 | 97.4 | 97.4 | 98.4 | 98.5 | 98.7 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | |
| GE 5000 | | | 84.2 | 85.0 | 85.9 | 86.1 | 86.5 | 86.6 | 86.6 | 86.9 | 87.0 | 87.1 | 87.4 | 87.4 | 87.5 | 87.6 | |
| GE 4500 | | | 85.7 | 86.6 | 87.6 | 87.9 | 88.3 | 88.4 | 88.4 | 88.7 | 88.8 | 88.9 | 89.2 | 89.3 | 89.3 | 89.4 | |
| GE 4000 | | | 87.6 | 88.6 | 89.8 | 90.0 | 90.5 | 90.6 | 90.7 | 91.0 | 91.1 | 91.1 | 91.5 | 91.5 | 91.6 | 91.7 | |
| GE 3500 | | | 88.8 | 89.8 | 91.1 | 91.3 | 91.8 | 92.0 | 92.0 | 92.4 | 92.5 | 92.5 | 92.8 | 92.9 | 93.0 | 93.1 | |
| GE 3000 | | | 89.4 | 90.6 | 91.9 | 92.2 | 92.7 | 92.9 | 92.9 | 93.2 | 93.3 | 93.4 | 93.7 | 93.8 | 93.8 | 94.0 | |
| GE 2500 | | | 89.8 | 91.0 | 92.4 | 92.7 | 93.1 | 93.3 | 93.3 | 93.7 | 93.8 | 93.8 | 94.1 | 94.2 | 94.3 | 94.4 | |
| GE 2000 | | | 90.7 | 92.0 | 93.4 | 93.7 | 94.2 | 94.3 | 94.4 | 94.7 | 94.8 | 94.9 | 95.2 | 95.3 | 95.4 | 95.5 | |
| GE 1800 | | | 90.9 | 92.2 | 93.6 | 93.9 | 94.4 | 94.5 | 94.6 | 94.9 | 95.0 | 95.1 | 95.4 | 95.5 | 95.6 | 95.7 | |
| GE 1500 | | | 91.3 | 92.6 | 94.1 | 94.4 | 95.0 | 95.2 | 95.3 | 95.6 | 95.8 | 95.8 | 96.1 | 96.2 | 96.3 | 96.5 | |
| GE 1200 | | | 91.6 | 93.0 | 94.4 | 94.7 | 95.4 | 95.6 | 95.7 | 96.0 | 96.2 | 96.2 | 96.5 | 96.6 | 96.6 | 96.9 | |
| GE 1000 | | | 91.6 | 93.3 | 94.7 | 95.0 | 95.7 | 95.9 | 96.0 | 96.4 | 96.5 | 96.6 | 96.9 | 97.0 | 97.1 | 97.3 | |
| GE 900 | | | 91.8 | 93.3 | 94.8 | 95.0 | 95.7 | 96.0 | 96.1 | 96.5 | 96.6 | 96.6 | 97.0 | 97.1 | 97.2 | 97.5 | |
| GE 800 | | | 92.1 | 93.5 | 95.0 | 95.3 | 96.0 | 96.3 | 96.3 | 96.7 | 96.9 | 96.9 | 97.3 | 97.4 | 97.5 | 97.8 | |
| GE 700 | | | 92.1 | 93.6 | 95.1 | 95.3 | 96.0 | 96.3 | 96.4 | 96.8 | 96.9 | 96.9 | 97.4 | 97.5 | 97.5 | 97.8 | |
| GE 600 | | | 92.1 | 93.6 | 95.1 | 95.4 | 96.1 | 96.4 | 96.4 | 96.8 | 97.0 | 97.0 | 97.5 | 97.6 | 97.6 | 97.9 | |
| GE 500 | | | 92.2 | 93.7 | 95.2 | 95.5 | 96.4 | 96.7 | 96.8 | 97.2 | 97.4 | 97.4 | 97.9 | 98.0 | 98.1 | 98.4 | |
| GE 400 | | | 92.3 | 93.8 | 95.4 | 95.7 | 96.6 | 96.9 | 97.0 | 97.5 | 97.6 | 97.7 | 98.2 | 98.3 | 98.4 | 98.7 | |
| GE 300 | | | 92.4 | 93.9 | 95.5 | 95.9 | 96.7 | 97.1 | 97.2 | 97.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 | 99.1 | |
| GE 200 | | | 92.5 | 94.0 | 95.6 | 95.9 | 96.8 | 97.2 | 97.3 | 97.8 | 98.0 | 98.0 | 98.7 | 98.8 | 99.0 | 99.4 | |
| GE 100 | | | 92.5 | 94.0 | 95.6 | 95.9 | 96.8 | 97.2 | 97.3 | 97.8 | 98.0 | 98.0 | 98.7 | 98.8 | 99.1 | 99.7 | |
| GE 0 | | | 92.5 | 94.0 | 95.6 | 95.9 | 96.8 | 97.2 | 97.3 | 97.8 | 98.0 | 98.1 | 98.7 | 98.9 | 99.1 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 7179

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(LST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|
| IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 85723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN |
| 00-02 | 41.0 | 9.1 | | 9.1 | 3.5 | 1.9 | 4.1 | | 3.5 | 4.7 | 23.0 | 3.9 |
| 03-05 | 40.8 | 7.1 | | 7.1 | 4.5 | 4.8 | 2.6 | | 3.9 | 4.5 | 24.8 | 4.0 |
| 06-08 | 40.4 | 11.6 | | 4.1 | 4.1 | 3.1 | 3.1 | | 5.6 | 6.0 | 21.9 | 3.9 |
| 09-11 | 27.7 | 17.2 | | 6.9 | 5.9 | 5.0 | 2.3 | | 5.6 | 6.3 | 23.1 | 4.3 |
| 12-14 | 19.1 | 18.2 | | 8.3 | 6.9 | 5.0 | 3.3 | | 5.3 | 11.2 | 22.8 | 4.9 |
| 15-17 | 27.4 | 16.4 | | 5.4 | 6.4 | 5.0 | 3.3 | | 3.0 | 6.7 | 26.4 | 4.5 |
| 18-20 | 34.4 | 10.5 | | 6.6 | 3.9 | 4.3 | 2.6 | | 6.2 | 5.6 | 25.9 | 4.4 |
| 21-23 | 35.3 | 8.1 | | 8.1 | 5.5 | 1.9 | 3.2 | | 6.8 | 3.9 | 27.2 | 4.4 |
| TOTALS | 33.3 | 12.3 | | 7.0 | 5.1 | 3.9 | 3.1 | | 5.0 | 6.1 | 24.4 | 4.3 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | |
|---|------|------|---|------|-----|-----|-----|---|-----|------|------|------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN |
| 00-02 | 40.6 | 8.6 | | 6.8 | 5.8 | 5.0 | 4.0 | | 2.9 | 4.3 | 21.9 | 3.8 |
| 03-05 | 38.2 | 7.3 | | 11.5 | 4.2 | 4.9 | 4.9 | | 4.2 | 3.5 | 21.5 | 3.9 |
| 06-08 | 28.2 | 12.9 | | 7.5 | 7.8 | 2.0 | 3.4 | | 9.5 | 7.1 | 21.4 | 4.5 |
| 09-11 | 24.4 | 15.9 | | 8.1 | 4.4 | 3.3 | 2.6 | | 7.0 | 15.6 | 18.5 | 4.7 |
| 12-14 | 26.1 | 15.4 | | 7.5 | 8.6 | 1.8 | 5.0 | | 6.1 | 11.4 | 18.2 | 4.4 |
| 15-17 | 27.2 | 17.7 | | 7.1 | 5.7 | 3.2 | 6.4 | | 5.3 | 8.1 | 19.4 | 4.3 |
| 18-20 | 33.6 | 13.5 | | 5.9 | 6.9 | 6.2 | 3.1 | | 4.2 | 5.5 | 21.1 | 4.0 |
| 21-23 | 39.8 | 7.1 | | 6.3 | 4.5 | 4.5 | 2.6 | | 4.8 | 5.9 | 24.5 | 4.2 |
| TOTALS | 32.3 | 12.3 | | 7.6 | 6.0 | 3.9 | 4.0 | | 5.5 | 7.7 | 20.8 | 4.2 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL Obs |
| 00-02 | 17.7 | 10.2 | | 6.2 | 5.9 | 4.6 | 3.3 | | 5.6 | 6.2 | 20.3 | 4.3 | 305 |
| 03-05 | 30.0 | 11.5 | | 5.8 | 4.8 | 3.2 | 6.7 | | 6.4 | 9.6 | 22.0 | 4.6 | 313 |
| 06-08 | 22.2 | 13.5 | | 7.5 | 4.2 | 5.7 | 4.8 | | 7.5 | 13.5 | 21.0 | 5.0 | 333 |
| 09-11 | 26.5 | 11.9 | | 6.1 | 6.5 | 2.9 | 5.5 | | 5.2 | 14.2 | 21.3 | 4.9 | 310 |
| 12-14 | 26.0 | 12.2 | | 4.8 | 5.8 | 6.8 | 1.6 | | 8.0 | 14.8 | 19.9 | 4.9 | 311 |
| 15-17 | 24.8 | 13.1 | | 7.5 | 7.5 | 3.6 | 4.2 | | 6.5 | 16.7 | 16.0 | 4.7 | 306 |
| 18-20 | 24.9 | 16.0 | | 7.7 | 8.0 | 4.2 | 3.5 | | 4.2 | 10.5 | 21.1 | 4.5 | 313 |
| 21-23 | 29.2 | 13.2 | | 7.8 | 5.8 | 7.1 | 2.4 | | 4.1 | 8.1 | 22.4 | 4.4 | 295 |
| TOTALS | 27.7 | 12.7 | | 6.7 | 6.1 | 4.8 | 4.0 | | 5.9 | 11.7 | 20.5 | 4.6 | 2486 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: APR

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL Obs |
| 00-02 | 26.3 | 14.3 | | 6.1 | 3.8 | 2.4 | 3.8 | | 5.5 | 12.3 | 25.6 | 4.9 | 293 |
| 03-05 | 25.7 | 12.0 | | 6.2 | 5.1 | 1.4 | 4.1 | | 5.8 | 13.7 | 26.0 | 5.1 | 292 |
| 06-08 | 25.6 | 14.1 | | 4.5 | 4.5 | 4.2 | 4.5 | | 6.4 | 18.3 | 17.9 | 4.9 | 312 |
| 09-11 | 28.5 | 12.8 | | 5.3 | 4.6 | 3.2 | 3.6 | | 6.8 | 14.9 | 20.3 | 4.8 | 281 |
| 12-14 | 26.5 | 12.7 | | 5.5 | 4.1 | 4.1 | 5.2 | | 7.9 | 10.7 | 23.4 | 4.9 | 291 |
| 15-17 | 28.8 | 10.4 | | 5.2 | 4.5 | 4.2 | 5.9 | | 8.0 | 11.1 | 21.9 | 4.8 | 288 |
| 18-20 | 25.2 | 13.7 | | 7.2 | 5.6 | 5.2 | 5.2 | | 7.2 | 12.4 | 18.3 | 4.7 | 306 |
| 21-23 | 25.4 | 15.3 | | 4.5 | 6.3 | 5.6 | 3.1 | | 5.6 | 8.0 | 26.1 | 4.8 | 287 |
| TOTALS | 26.5 | 13.2 | | 5.6 | 4.8 | 3.8 | 4.4 | | 6.7 | 12.7 | 22.4 | 4.9 | 2350 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS I (LST) I | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 I | 20.1 | 13.8 | | 4.6 | 5.6 | 4.9 | 3.9 | | 8.9 | 15.1 | 23.0 | 5.4 | 304 |
| 03-05 I | 23.7 | 13.5 | | 4.9 | 4.6 | 3.0 | 3.3 | | 9.2 | 17.8 | 20.1 | 5.2 | 304 |
| 06-08 I | 21.6 | 15.0 | | 4.5 | 5.7 | 3.3 | 4.2 | | 7.8 | 17.1 | 20.7 | 5.2 | 333 |
| 09-11 I | 23.1 | 13.3 | | 4.9 | 6.2 | 4.5 | 6.5 | | 8.4 | 16.9 | 16.2 | 5.0 | 308 |
| 12-14 I | 21.4 | 11.4 | | 4.5 | 6.5 | 4.9 | 6.2 | | 7.1 | 20.1 | 17.9 | 5.3 | 307 |
| 15-17 I | 19.4 | 17.4 | | 5.4 | 6.4 | 3.3 | 2.7 | | 6.7 | 17.7 | 21.1 | 5.2 | 249 |
| 18-20 I | 20.6 | 15.0 | | 5.3 | 3.4 | 3.4 | 5.0 | | 6.9 | 20.6 | 19.7 | 5.3 | 320 |
| 21-23 I | 19.4 | 15.7 | | 5.4 | 6.0 | 5.4 | 5.0 | | 6.0 | 12.7 | 24.4 | 5.2 | 299 |
| TOTALS I | 21.2 | 14.4 | | 4.9 | 5.6 | 4.1 | 4.6 | | 7.6 | 17.3 | 20.4 | 5.2 | 2475 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS I (LST) I | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 I | 12.0 | 11.0 | | 4.7 | 6.0 | 5.0 | 4.0 | | 7.7 | 20.3 | 29.3 | 6.4 | 300 |
| 03-05 I | 14.5 | 7.6 | | 3.6 | 6.3 | 4.6 | 3.3 | | 6.3 | 21.7 | 32.2 | 6.5 | 304 |
| 06-08 I | 17.1 | 6.0 | | 5.1 | 4.1 | 4.1 | 3.2 | | 8.2 | 20.9 | 31.3 | 6.4 | 316 |
| 09-11 I | 13.7 | 13.0 | | 5.0 | 6.0 | 3.7 | 5.0 | | 5.3 | 22.0 | 26.3 | 6.0 | 300 |
| 12-14 I | 9.7 | 14.1 | | 5.7 | 6.4 | 5.7 | 4.7 | | 7.7 | 20.5 | 25.5 | 6.1 | 298 |
| 15-17 I | 10.7 | 15.4 | | 6.7 | 3.7 | 5.7 | 3.0 | | 4.7 | 25.5 | 24.5 | 6.1 | 298 |
| 18-20 I | 12.8 | 11.2 | | 7.9 | 5.5 | 2.4 | 5.2 | | 7.9 | 17.9 | 29.2 | 6.2 | 320 |
| 21-23 I | 12.2 | 9.9 | | 6.3 | 5.9 | 4.0 | 4.3 | | 7.6 | 18.5 | 29.4 | 6.2 | 303 |
| TOTALS I | 12.8 | 11.0 | | 5.9 | 5.5 | 4.4 | 4.1 | | 6.9 | 20.9 | 28.5 | 6.2 | 2448 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|------|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | 12.6 | 8.9 | | 5.2 | 3.7 | 2.8 | 4.6 | | 8.3 | 26.4 | 27.6 | 6.6 | 326 |
| 03-05 | 9.9 | 11.0 | | 3.4 | 3.7 | 4.2 | 6.5 | | 5.2 | 25.8 | 27.2 | 6.7 | 353 |
| 06-08 | 12.1 | 9.2 | | 4.0 | 6.7 | 3.5 | 5.9 | | 7.3 | 25.1 | 26.1 | 6.5 | 371 |
| 09-11 | 12.5 | 10.7 | | 4.1 | 5.0 | 4.4 | 6.6 | | 7.8 | 26.6 | 22.3 | 6.3 | 319 |
| 12-14 | 11.5 | 11.5 | | 2.9 | 8.6 | 1.6 | 4.8 | | 10.5 | 25.6 | 23.0 | 6.4 | 313 |
| 15-17 | 8.9 | 14.1 | | 6.2 | 5.9 | 3.6 | 5.2 | | 10.5 | 23.0 | 22.6 | 6.2 | 305 |
| 18-20 | 9.1 | 12.2 | | 7.8 | 6.6 | 4.7 | 4.1 | | 9.4 | 20.7 | 25.4 | 6.3 | 319 |
| 21-23 | 9.2 | 12.8 | | 5.3 | 3.9 | 2.3 | 5.3 | | 7.9 | 26.0 | 27.3 | 6.5 | 304 |
| TOTALS | 10.7 | 11.3 | | 4.9 | 5.5 | 3.4 | 5.4 | | 8.7 | 24.9 | 25.2 | 6.5 | 2610 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|-----|------|---|-----|-----|-----|-----|---|------|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | 7.2 | 6.5 | | 4.6 | 4.2 | 3.9 | 2.6 | | 5.2 | 20.9 | 44.8 | 7.5 | 306 |
| 03-05 | 7.2 | 8.8 | | 3.4 | 4.1 | 4.1 | 5.3 | | 5.9 | 20.3 | 40.9 | 7.3 | 320 |
| 06-08 | 6.2 | 8.0 | | 3.5 | 6.5 | 2.9 | 3.8 | | 8.3 | 25.1 | 35.7 | 7.3 | 339 |
| 09-11 | 8.1 | 9.7 | | 5.2 | 3.5 | 4.2 | 1.6 | | 9.0 | 25.8 | 32.9 | 7.0 | 310 |
| 12-14 | 5.6 | 7.0 | | 6.3 | 4.6 | 2.3 | 4.3 | | 11.3 | 26.8 | 20.6 | 7.2 | 302 |
| 15-17 | 4.2 | 11.3 | | 4.2 | 4.2 | 4.2 | 3.2 | | 7.7 | 30.9 | 30.2 | 7.2 | 311 |
| 18-20 | 4.9 | 9.8 | | 4.3 | 2.5 | 4.0 | 6.1 | | 7.7 | 29.8 | 31.0 | 7.3 | 326 |
| 21-23 | 6.2 | 6.2 | | 2.9 | 5.2 | 4.2 | 2.2 | | 6.5 | 28.2 | 37.7 | 7.6 | 308 |
| TOTALS | 6.3 | 8.4 | | 4.3 | 4.4 | 3.7 | 3.7 | | 7.7 | 26.0 | 35.5 | 7.3 | 2522 |

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | 16.7 | 19.2 | | 2.8 | 4.3 | 6.8 | 5.0 | | 6.0 | 12.8 | 26.3 | 5.4 | 281 |
| 03-05 | 15.2 | 18.1 | | 5.0 | 5.0 | 2.8 | 3.9 | | 4.6 | 16.7 | 28.7 | 5.6 | 282 |
| 06-08 | 12.6 | 15.7 | | 7.5 | 4.4 | 3.8 | 2.8 | | 6.2 | 23.6 | 21.4 | 5.8 | 318 |
| 09-11 | 12.3 | 17.5 | | 6.2 | 4.1 | 2.7 | 2.4 | | 8.6 | 20.2 | 26.0 | 5.9 | 292 |
| 12-14 | 12.2 | 17.3 | | 5.1 | 5.1 | 5.1 | 2.7 | | 6.4 | 23.7 | 22.4 | 5.8 | 295 |
| 15-17 | 13.7 | 16.4 | | 6.5 | 3.1 | 2.7 | 5.1 | | 7.5 | 22.3 | 22.6 | 5.8 | 292 |
| 18-20 | 13.4 | 16.9 | | 3.3 | 4.6 | 4.6 | 3.9 | | 9.1 | 18.6 | 25.7 | 5.9 | 307 |
| 21-23 | 17.4 | 15.4 | | 3.4 | 4.1 | 3.4 | 5.5 | | 8.2 | 12.3 | 30.4 | 5.7 | 293 |
| TOTALS | 14.2 | 17.1 | | 5.0 | 4.3 | 4.0 | 3.9 | | 7.3 | 18.8 | 25.4 | 5.7 | 2360 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | 26.4 | 7.9 | | 7.3 | 3.6 | 2.0 | 3.3 | | 5.3 | 8.6 | 35.6 | 5.5 | 303 |
| 03-05 | 25.9 | 7.5 | | 6.1 | 3.7 | 6.1 | 2.4 | | 5.8 | 11.2 | 31.3 | 5.5 | 294 |
| 06-08 | 17.6 | 9.1 | | 6.8 | 5.5 | 2.3 | 5.5 | | 6.5 | 18.2 | 28.3 | 6.0 | 307 |
| 09-11 | 14.5 | 8.6 | | 8.6 | 4.9 | 3.3 | 4.6 | | 7.6 | 20.1 | 28.0 | 6.2 | 304 |
| 12-14 | 11.8 | 12.8 | | 6.8 | 5.7 | 3.7 | 1.7 | | 9.8 | 23.6 | 24.0 | 6.2 | 296 |
| 15-17 | 12.5 | 16.8 | | 6.1 | 4.4 | 2.4 | 2.7 | | 6.4 | 20.5 | 26.3 | 6.0 | 297 |
| 18-20 | 15.7 | 14.7 | | 5.4 | 6.7 | 4.7 | 3.7 | | 7.7 | 13.4 | 28.1 | 5.7 | 299 |
| 21-23 | 23.8 | 8.6 | | 5.9 | 5.5 | 3.1 | 4.8 | | 4.1 | 10.0 | 34.1 | 5.6 | 290 |
| TOTALS | 18.5 | 10.8 | | 6.6 | 5.0 | 3.5 | 3.6 | | 6.9 | 15.7 | 29.5 | 5.8 | 2390 |

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: NOV

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | 28.9 | 9.5 | | 7.0 | 3.9 | 3.9 | 4.6 | | 4.9 | 7.0 | 30.3 | 5.3 | 284 |
| 03-05 | 26.6 | 12.9 | | 4.5 | 5.6 | 2.8 | 1.4 | | 5.5 | 6.3 | 34.3 | 5.2 | 286 |
| 06-08 | 24.6 | 14.0 | | 8.5 | 3.4 | 4.1 | 2.0 | | 4.1 | 7.8 | 31.4 | 5.0 | 293 |
| 09-11 | 22.5 | 10.5 | | 3.3 | 6.5 | 3.6 | 6.2 | | 6.2 | 12.7 | 28.6 | 5.5 | 276 |
| 12-14 | 16.4 | 14.6 | | 7.0 | 6.3 | 7.0 | 3.5 | | 7.3 | 9.8 | 28.2 | 5.4 | 287 |
| 15-17 | 20.1 | 13.8 | | 6.9 | 3.1 | 3.8 | 4.2 | | 5.0 | 10.7 | 29.4 | 5.5 | 289 |
| 18-20 | 29.2 | 7.4 | | 5.6 | 5.6 | 3.9 | 6.3 | | 3.2 | 8.1 | 30.6 | 5.1 | 284 |
| 21-23 | 27.1 | 10.2 | | 6.1 | 6.4 | 3.7 | 3.4 | | 3.7 | 6.4 | 32.9 | 5.1 | 295 |
| TOTALS | 24.4 | 11.6 | | 6.1 | 5.1 | 4.1 | 4.0 | | 5.4 | 8.6 | 30.7 | 5.2 | 2294 |

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|------|---|-----|-----|-----|-----|---|-----|-----|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | 41.0 | 5.5 | | 6.8 | 2.9 | 3.9 | 2.0 | | 6.8 | 6.2 | 24.8 | 4.3 | 307 |
| 03-05 | 41.3 | 6.2 | | 7.2 | 2.6 | 4.3 | 3.3 | | 3.3 | 4.6 | 27.2 | 4.2 | 305 |
| 06-08 | 35.6 | 10.4 | | 7.4 | 5.7 | 3.0 | 2.7 | | 5.4 | 6.0 | 23.8 | 4.2 | 298 |
| 09-11 | 28.6 | 15.6 | | 9.5 | 7.5 | 1.0 | 6.5 | | 3.7 | 7.8 | 19.7 | 4.2 | 294 |
| 12-14 | 25.4 | 12.9 | | 9.2 | 5.8 | 3.7 | 6.1 | | 5.1 | 9.8 | 22.0 | 4.7 | 295 |
| 15-17 | 34.1 | 7.0 | | 9.4 | 5.4 | 3.0 | 2.3 | | 5.0 | 7.0 | 26.8 | 4.6 | 299 |
| 18-20 | 42.8 | 3.3 | | 5.9 | 3.6 | 7.2 | 2.6 | | 3.0 | 6.6 | 25.0 | 4.2 | 304 |
| 21-23 | 41.2 | 6.4 | | 4.2 | 5.8 | 3.5 | 4.2 | | 5.5 | 5.5 | 23.8 | 4.2 | 311 |
| TOTALS | 36.3 | 8.4 | | 7.5 | 4.9 | 3.7 | 3.7 | | 4.7 | 6.7 | 24.1 | 4.3 | 2413 |

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: ALL

| | | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN | TOTAL OBS |
|--------|-------|---|------|---|-----|-----|-----|-----|---|-----|------|------|------|--------------|
| HOURS | (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 33.3 | 12.3 | | 7.0 | 5.1 | 3.9 | 3.1 | | 5.0 | 6.1 | 24.4 | 4.3 | 2466 |
| FEB | | 32.3 | 12.3 | | 7.6 | 6.0 | 3.9 | 4.0 | | 5.5 | 7.7 | 20.8 | 4.2 | 2251 |
| MAR | | 27.7 | 12.7 | | 6.7 | 6.1 | 4.8 | 4.0 | | 5.9 | 11.7 | 20.5 | 4.6 | 2486 |
| APR | | 26.5 | 13.2 | | 5.6 | 4.8 | 3.8 | 4.4 | | 6.7 | 12.7 | 22.4 | 4.9 | 2350 |
| MAY | | 21.2 | 14.4 | | 4.9 | 5.6 | 4.1 | 4.6 | | 7.6 | 17.3 | 20.4 | 5.2 | 2475 |
| JUN | | 12.8 | 11.0 | | 5.9 | 5.5 | 4.4 | 4.1 | | 6.9 | 20.9 | 28.5 | 6.2 | 2448 |
| JUL | | 10.7 | 11.3 | | 4.9 | 5.5 | 3.4 | 5.4 | | 6.7 | 24.9 | 25.2 | 6.5 | 2610 |
| AUG | | 6.3 | 8.4 | | 4.3 | 4.4 | 3.7 | 3.7 | | 7.7 | 26.0 | 35.5 | 7.3 | 2522 |
| SEP | | 14.2 | 17.1 | | 5.0 | 4.3 | 4.0 | 3.9 | | 7.3 | 18.8 | 25.4 | 5.7 | 2360 |
| OCT | | 18.5 | 10.8 | | 6.6 | 5.0 | 3.5 | 3.6 | | 6.9 | 15.7 | 29.5 | 5.8 | 2390 |
| NOV | | 24.4 | 11.6 | | 6.1 | 5.1 | 4.1 | 4.0 | | 5.4 | 8.6 | 30.7 | 5.2 | 2294 |
| DEC | | 16.3 | 8.4 | | 7.5 | 4.9 | 3.7 | 3.7 | | 4.7 | 6.7 | 24.1 | 4.3 | 2413 |
| TOTALS | | 22.0 | 12.0 | | 6.0 | 5.2 | 3.9 | 4.0 | | 6.5 | 14.8 | 25.6 | 5.4 | 29065 |

| | | | | |
|---------|-------------|----------|-----------|----------|
| PPPPPPP | AAAAA | RRRRRRR | TTTTTTTTT | EEEEEEEE |
| PPPPPPP | AAAAAAA | RRRRRRRR | TTTTTTTTT | EEEEEEEE |
| PP PP | AA AA | RR RP | TT | EE |
| PP PP | AA AA | RR RR | TT | EE |
| PPPPPPP | AA AA | RRRRRRRR | TT | EEEE |
| PPPPPPP | AAAAA AAAAA | RRRRRRR | TT | EEEE |
| PP | AAAAA AAAAA | RR RR | TT | EE |
| PP | AA AA | RR RR | TT | EE |
| PP | AA AA | RR RR | TT | EEEEEEEE |
| PP | AA AA | RR RR | TT | EEEEEEEE |

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| TEMPERATURE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| GE 65F | | | | | | .1 | | | | | | | .0 |
| GE 60F | | | | | | .7 | 1.1 | .2 | | | | | .2 |
| GE 55F | | | | | | 2.5 | 6.6 | 1.5 | | | | | .9 |
| GE 50F | | | | | .1 | 7.3 | 20.8 | 10.4 | | | | | 3.2 |
| GE 45F | | | | | 1.1 | 20.7 | 48.3 | 34.8 | 1.6 | | | | 9.0 |
| GE 40F | .1 | .2 | | .2 | 5.2 | 40.9 | 75.9 | 66.3 | 9.1 | .4 | .2 | | 16.6 |
| GE 35F | .7 | .5 | .1 | 1.1 | 15.9 | 69.4 | 96.4 | 92.9 | 36.1 | 3.8 | .9 | .9 | 26.6 |
| GE 30F | 2.5 | 2.6 | 1.1 | 3.2 | 34.7 | 96.0 | 99.6 | 99.4 | 67.6 | 15.1 | 3.3 | 2.2 | 35.6 |
| GE 25F | 4.9 | 4.3 | 1.7 | 6.7 | 59.1 | 99.9 | 100.0 | 100.0 | 86.9 | 29.9 | 7.2 | 4.3 | 42.1 |
| GE 20F | 7.8 | 6.5 | 3.6 | 14.6 | 77.3 | 100.0 | | | 96.2 | 44.7 | 14.1 | 6.3 | 47.6 |
| GE 15F | 12.9 | 9.2 | 6.1 | 26.2 | 89.1 | | | | 99.3 | 64.9 | 26.6 | 12.0 | 53.9 |
| GE 10F | 20.0 | 14.8 | 10.1 | 38.9 | 97.6 | | | | 99.9 | 81.9 | 42.4 | 19.5 | 60.5 |
| GE 5F | 27.8 | 23.4 | 16.1 | 54.7 | 99.2 | | | | 100.0 | 91.7 | 56.2 | 30.9 | 66.8 |
| GE . | 41.1 | 34.5 | 26.4 | 74.7 | 99.8 | | | | | 95.2 | 72.9 | 44.3 | 74.2 |
| GE -5F | 50.5 | 45.1 | 39.3 | 88.5 | 99.9 | | | | | 96.9 | 83.9 | 57.6 | 80.2 |
| GE -10F | 63.8 | 58.0 | 60.5 | 96.6 | 100.0 | | | | | 98.1 | 92.2 | 72.9 | 86.9 |
| GE -15F | 78.2 | 73.6 | 78.9 | 99.0 | | | | | | 99.6 | 97.6 | 84.4 | 92.7 |
| GE -20F | 91.0 | 87.3 | 84.6 | 99.8 | | | | | | 100.0 | 99.8 | 94.9 | 96.9 |
| GE -25F | 96.5 | 94.1 | 96.3 | 100.0 | | | | | | | 100.0 | 98.3 | 98.8 |
| GE -30F | 99.4 | 98.0 | 99.6 | | | | | | | | | 100.0 | 99.8 |
| GE -35F | 100.0 | 99.4 | 100.0 | | | | | | | | | | 100.0 |
| GE -40F | | 100.0 | | | | | | | | | | | 100.0 |
| MEAN | -3.3 | -5.6 | -6.6 | 7.0 | 25.9 | 38.9 | 44.5 | 42.3 | 31.8 | 18.0 | 6.7 | -1.7 | 16.5 |
| SD | 14.488 | 14.506 | 11.965 | 11.059 | 8.621 | 6.941 | 6.175 | 5.523 | 6.407 | 10.495 | 11.868 | 13.231 | 21.491 |
| TOTAL OBS | 1085 | 989 | 1084 | 1050 | 1085 | 1050 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12841 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| TEMP(F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| GE 50 | | | | | | 1.7 | 5.4 | 2.1 | | | | | .1 |
| GF 45 | | | | | | 5.4 | 20.0 | 13.1 | .3 | | | | .8 |
| GE 40 | | | | | .6 | 21.1 | 61.3 | 52.9 | 4.3 | | | | 7.3 |
| GE 35 | | | | | 1.6 | 33.4 | 77.1 | 70.0 | 9.0 | .2 | | | 11.8 |
| GE 30 | .1 | .1 | | | 6.5 | 57.3 | 92.9 | 89.2 | 73.0 | 1.1 | .1 | .1 | 16.0 |
| GF 25 | .3 | .4 | | .1 | 19.9 | 92.5 | 99.7 | 99.4 | 50.0 | 7.3 | .6 | .3 | 22.6 |
| GE 20 | .7 | .6 | | .8 | 37.2 | 99.2 | 100.0 | 100.0 | 68.1 | 15.5 | 1.3 | .6 | 30.9 |
| GE 15 | 1.4 | 1.0 | .3 | 3.1 | 60.4 | 100.0 | | | 85.0 | 25.7 | 3.8 | 1.1 | 35.4 |
| GE 10 | 2.9 | 1.4 | .7 | 6.8 | 75.6 | | | | 93.4 | 40.9 | 8.5 | 2.6 | 40.0 |
| GL 5 | 5.5 | 3.1 | 1.8 | 12.8 | 84.3 | | | | 98.4 | 55.1 | 17.3 | 5.7 | 44.5 |
| GF 0 | 10.9 | 6.1 | 3.7 | 24.1 | 92.5 | | | | 99.9 | 73.2 | 29.0 | 12.5 | 48.8 |
| GE -5 | 17.4 | 12.4 | 8.6 | 38.3 | 97.1 | | | | 100.0 | 76.5 | 43.2 | 20.0 | 54.4 |
| GE -10 | 28.8 | 20.7 | 17.1 | 56.8 | 99.4 | | | | | 95.3 | 60.8 | 30.9 | 60.4 |
| GF -15 | 39.3 | 32.8 | 29.2 | 75.4 | 99.7 | | | | | 96.9 | 77.3 | 47.5 | 67.6 |
| GE -20 | 57.1 | 49.1 | 48.9 | 91.0 | 100.0 | | | | | 99.4 | 90.8 | 66.5 | 74.9 |
| GF -25 | 71.1 | 66.6 | 69.3 | 96.5 | | | | | | 100.0 | 97.4 | 83.0 | 81.7 |
| GE -30 | 87.1 | 83.0 | 86.3 | 99.5 | | | | | | | 99.9 | 94.3 | 90.4 |
| GE -35 | 97.1 | 93.3 | 94.0 | 99.9 | | | | | | | 100.0 | 99.2 | 95.9 |
| GE -40 | 100.0 | 98.7 | 99.1 | 100.0 | | | | | | | | 100.0 | 98.7 |
| GE -45 | | 99.8 | 100.0 | | | | | | | | | | 99.8 |
| GE -50 | | 100.0 | | | | | | | | | | | 100.0 |
| MEAN | -17.1 | -19.5 | -20.0 | -7.9 | 15.5 | 30.9 | 36.1 | 34.8 | 22.9 | 6.7 | -6.5 | -14.8 | 5.1 |
| SD | 12.297 | 11.712 | 10.139 | 10.572 | 10.015 | 5.004 | 4.768 | 4.443 | 8.048 | 11.315 | 11.007 | 11.261 | 23.221 |
| TOTAL OBS | 1085 | 989 | 1084 | 1050 | 1085 | 1050 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12841 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| TEMP(F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| GE 55] | | | | | | .3 | .7 | | | | | | .1 |
| GE 50] | | | | | | 1.9 | 5.3 | 1.4 | | | | | .7 |
| GE 45] | | | | | | 6.5 | 21.8 | 12.0 | .2 | | | | 3.4 |
| GE 40] | | | | | .6 | 22.3 | 55.8 | 44.1 | 2.6 | | | | 10.5 |
| GE 35] | .1 | | | | 5.5 | 49.7 | 89.4 | 82.3 | 15.1 | .3 | | | 20.3 |
| GE 30] | .2 | .3 | | .1 | 17.1 | 84.6 | 99.0 | 98.0 | 45.3 | 5.6 | .6 | .3 | 29.3 |
| GE 25] | 1.0 | .6 | | 1.6 | 36.8 | 99.2 | 100.0 | 100.0 | 70.1 | 14.9 | 1.5 | .7 | 35.6 |
| GE 20] | 2.0 | 1.7 | .9 | 4.7 | 61.3 | 100.0 | | | 86.3 | 27.5 | 4.8 | 1.9 | 41.0 |
| GE 15] | 4.5 | 3.3 | 1.6 | 9.2 | 78.5 | | | | 95.9 | 43.9 | 10.7 | 3.9 | 46.0 |
| GE 10] | 8.7 | 5.3 | 3.0 | 18.6 | 87.6 | | | | 99.0 | 61.7 | 21.1 | 8.3 | 51.2 |
| GE 5] | 14.7 | 10.2 | 6.7 | 31.7 | 95.3 | | | | 99.9 | 78.2 | 35.7 | 15.7 | 57.4 |
| GE 0] | 21.3 | 17.2 | 11.3 | 45.4 | 98.4 | | | | 100.0 | 90.0 | 49.4 | 13.5 | 63.1 |
| GE -5] | 33.6 | 26.7 | 20.7 | 65.1 | 99.7 | | | | | 95.3 | 66.9 | 17.1 | 70.5 |
| GE -10] | 46.2 | 38.7 | 33.2 | 82.5 | 99.9 | | | | | 97.1 | 80.7 | 52.7 | 77.7 |
| GE -15] | 59.7 | 53.2 | 54.2 | 93.9 | 100.0 | | | | | 98.5 | 91.4 | 69.7 | 85.1 |
| GE -20] | 74.3 | 69.4 | 73.7 | 98.3 | | | | | | 100.0 | 97.8 | 82.7 | 91.4 |
| GE -25] | 88.6 | 86.1 | 87.2 | 99.8 | | | | | | | 99.9 | 94.3 | 96.4 |
| GE -30] | 97.1 | 94.3 | 95.5 | 99.9 | | | | | | | 100.0 | 98.8 | 98.8 |
| GE -35] | 100.0 | 98.3 | 99.3 | 100.0 | | | | | | | | 100.0 | 99.8 |
| GE -40] | | 99.6 | 100.0 | | | | | | | | | | 100.0 |
| GE -45] | | 100.0 | | | | | | | | | | | 100.0 |
| MEAN | -10.3 | -12.7 | -13.5 | -4 | 21.0 | 35.1 | 40.6 | 38.9 | 27.7 | 12.6 | .1 | -8.4 | 10.9 |
| SD | 13.183 | 12.893 | 10.837 | 10.702 | 8.994 | 5.693 | 5.139 | 4.745 | 7.004 | 10.721 | 11.297 | 12.085 | 22.407 |
| TOTAL OBS | 1085 | 989 | 1084 | 1050 | 1085 | 1050 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12641 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 51 | | | | | | | | | | | 33 | 8 | |
| 52 | 22 | 27 | 20 | 31 | 44 | 57 | 62 | 54 | 41 | 29 | 35 | 34 | 62 |
| 53 | 32 | 30 | 18 | 41 | 40 | 44 | 57 | 54 | 46 | 25 | 20 | 7 | 57 |
| 54 | 23 | 23 | 14 | 38 | 47 | 55 | 58 | 57 | 48 | 30 | 30 | 14 | 56 |
| 55 | 15 | 30 | 14 | 25 | 32 | 53 | 55 | 54 | 42 | 36 | 35 | 17 | 55 |
| 56 | 23 | 24 | 22 | 25 | 36 | 61 | 55 | 53 | 39 | 37 | 23 | 18 | 61 |
| 57 | 19 | 21 | 30 | 18 | 47 | 62 | 62 | 62 | 46 | 35 | 32 | 12 | 62 |
| 58 | 35 | 32 | 17 | 24 | 42 | 55 | 55 | 50 | 40 | 35 | 29 | 18 | 55 |
| 59 | 37 | 23 | 5 | 30 | 42 | 63 | 58 | 50 | 39 | 36 | 32 | 17 | 63 |
| 60 | 30 | 31 | 23 | 29 | 39 | 56 | 57 | 56 | 42 | 40 | 24 | 16 | 57 |
| 61 | -5 | 4 | 24 | 28 | 33 | 49 | 53 | 57 | 41 | 32 | 22 | 34 | 57 |
| 62 | 24 | 8 | 31 | 38 | 42 | 52 | 55 | 56 | 49 | 26 | 26 | 36 | 56 |
| 63 | 36 | 32 | 31 | 26 | 33 | 45 | 57 | 55 | 41 | 32 | 36 | 27 | 57 |
| 64 | 38 | 41 | 34 | 21 | 44 | 49 | 48 | 50 | 41 | 24 | 18 | 25 | 50 |
| 65 | 35 | 43 | 15 | 23 | 46 | 49 | 52 | 56 | 42 | 34 | 42 | 22 | 56 |
| 66 | 16 | 35 | 3 | 30 | 42 | 56 | 54 | 56 | 44 | 31 | 28 | 9 | 56 |
| 67 | 34 | 11 | 21 | 32 | 44 | 49 | 55 | 49 | 36 | 31 | 19 | 29 | 55 |
| 68 | 11 | 34 | 5 | 30 | 41 | 44 | 55 | 49 | 39 | 37 | 33 | 31 | 55 |
| 69 | 31 | 19 | 13 | 35 | 38 | 54 | 62 | 54 | 41 | 27 | 28 | 15 | 62 |
| 70 | 33 | 30 | 20 | 32 | 31 | 49 | 53 | 48 | 41 | 37 | 32 | 30 | 53 |
| 71 | 22 | 21 | 20 | 24 | 36 | 57 | 58 | 48 | 45 | 32 | 21 | 14 | 58 |
| 72 | 25 | 35 | 28 | 32 | 33 | 44 | 53 | 51 | 43 | 41 | 19 | *12 | 53 |
| 73 | 30 | 6 | 2 | 26 | 42 | 46 | 53 | 50 | 41 | 33 | 39 | 19 | 53 |
| 74 | 17 | 12 | *21 | 33 | 35 | 48 | 57 | 53 | 39 | 35 | *26 | 0 | 57 |
| 75 | 15 | 6 | 1 | 26 | 50 | 57 | 48 | 51 | 37 | 35 | 21 | 24 | 57 |
| 76 | 21 | 17 | 30 | 10 | 42 | 50 | 60 | 57 | 46 | -1 | 21 | 39 | 60 |
| 77 | 41 | 26 | 33 | 33 | 39 | 44 | 51 | 46 | *37 | 35 | 35 | 21 | 51 |
| 78 | 30 | 10 | 19 | 33 | 39 | 46 | 59 | 51 | 39 | 28 | 26 | 37 | 59 |
| 79 | 26 | 6 | 35 | 32 | 33 | 44 | 57 | 57 | 46 | 39 | 18 | 16 | 57 |
| 80 | 30 | 16 | 30 | 21 | 36 | 59 | 55 | 46 | 39 | 41 | 36 | 25 | 59 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|-----------|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 81 | 9 | 10 | 18 | 30 | 43 | 54 | 57 | 46 | 45 | 37 | 34 | 39 | 57 |
| 82 | 32 | 19 | 30 | 47 | 46 | 59 | 57 | 50 | 37 | 27 | 27 | 27 | 59 |
| 83 | 0 | -2 | 7 | 27 | 39 | 68 | 64 | 46 | 43 | 37 | 25 | 18 | 68 |
| 84 | 1 | -6 | 19 | 16 | 36 | 59 | 63 | 50 | 45 | 36 | 33 | 18 | 63 |
| 85 | 30 | 16 | 23 | 27 | 45 | 48 | 59 | 54 | 45 | 41 | 34 | 28 | 59 |
| 86 | 30 | 34 | 21 | 37 | 48 | 50 | 48 | 52 | 43 | 21 | 10 | 30 | 52 |
| MEAN | 24.2 | 20.9 | 19.9 | 28.7 | 40.1 | 52.4 | 56.1 | 52.2 | 42.1 | 32.2 | 27.9 | 22.1 | 57.8 |
| S.D. | 11.215 | 12.171 | 9.682 | 6.914 | 5.083 | 6.321 | 4.036 | 3.889 | 3.223 | 7.656 | 7.191 | 9.701 | 3.672 |
| TOTAL OBS | 1085 | 989 | 1084 | 1050 | 1085 | 1050 | 1065 | 1085 | 1049 | 1085 | 1079 | 1115 | 12841 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-96

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|------|--------------------------|-----|------|-----|-----|---------------|-----|-----|-----|-----|------|------|------------|
| | JAN | FEB | MAR | APR | MAY | -M-O-N-T-H-S- | | AUG | SEP | OCT | NOV | DEC | |
| | | | | | | JUN | JUL | | | | | | |
| 51 | | | | | | | | | | | -27 | -30 | |
| 52 | -38 | -38 | -43 | -32 | -3 | 24 | 29 | 28 | 18 | -3 | -14 | -18 | -43 |
| 53 | -30 | -35 | -36 | -12 | 15 | 27 | 32 | 28 | 6 | -6 | -28 | -33 | -36 |
| 54 | -32 | -36 | -29 | -23 | 11 | 26 | 31 | 29 | 7 | -10 | -18 | -32 | -36 |
| 55 | -37 | -42 | -28 | -28 | -11 | 25 | 31 | 30 | 13 | 8 | -24 | -26 | -42 |
| 56 | -30 | -37 | -39 | -23 | -1 | 23 | 33 | 26 | 11 | -5 | -23 | -23 | -39 |
| 57 | -37 | -25 | -25 | -14 | -4 | 29 | 34 | 29 | 20 | -10 | -21 | -28 | -37 |
| 58 | -34 | -35 | -28 | -29 | 1 | 25 | 30 | 24 | 7 | -10 | -26 | -28 | -35 |
| 59 | -25 | -29 | -36 | -27 | 2 | 25 | 32 | 29 | 13 | -12 | -22 | -31 | -36 |
| 60 | -37 | -34 | -43 | -25 | 1 | 28 | 35 | 30 | 7 | -4 | -19 | -26 | -43 |
| 61 | -39 | -40 | -44 | -30 | -8 | 22 | 31 | 26 | 5 | -9 | -24 | -33 | -44 |
| 62 | -25 | -35 | -20 | -19 | 1 | 23 | 29 | 23 | 0 | -3 | -17 | -25 | -35 |
| 63 | -25 | -21 | -34 | -30 | 0 | 25 | 29 | 31 | 13 | -10 | -28 | -21 | -34 |
| 64 | -39 | -33 | -42 | -36 | -8 | 23 | 26 | 26 | -5 | -24 | -27 | -32 | -42 |
| 65 | -34 | -30 | -27 | -17 | 4 | 24 | 27 | 26 | 1 | -9 | -15 | -32 | -34 |
| 66 | -36 | -26 | -31 | -22 | -9 | 21 | 28 | 31 | 4 | -5 | -17 | -28 | -36 |
| 67 | -30 | -36 | -24 | -21 | -5 | 22 | 29 | 26 | 10 | -11 | -31 | -24 | -36 |
| 68 | -34 | -36 | -38 | -14 | -4 | 21 | 29 | 27 | 6 | -7 | -25 | -30 | -38 |
| 69 | -24 | -32 | -43 | -18 | 8 | 23 | 33 | 31 | 18 | -5 | -22 | -24 | -43 |
| 70 | -35 | -30 | -27 | -18 | -17 | 18 | 27 | 25 | 16 | -1 | -20 | -31 | -35 |
| 71 | -32 | -39 | -27 | -27 | -8 | 24 | 26 | 25 | 12 | -6 | -24 | -36 | -39 |
| 72 | -34 | -40 | -30 | -26 | 3 | 19 | 26 | 25 | 9 | -1 | -19 | *-38 | -40 |
| 73 | -33 | -40 | -39 | -25 | -6 | 22 | 24 | 28 | 5 | -7 | -25 | -29 | -40 |
| 74 | -38 | -25 | *-32 | -22 | -2 | 17 | 28 | 28 | 10 | -7 | *-25 | -36 | -38 |
| 75 | -38 | -31 | -32 | -29 | 1 | 21 | 32 | 23 | 3 | -9 | -27 | -34 | -38 |
| 76 | -29 | -29 | -27 | -25 | -7 | 24 | 30 | 24 | 15 | -23 | -20 | -25 | -29 |
| 77 | -22 | -31 | -29 | -9 | 10 | 19 | 30 | 21 | *6 | -7 | -13 | -38 | -38 |
| 78 | -29 | -31 | -34 | -27 | 0 | 21 | 24 | 28 | 9 | -11 | -25 | -20 | -34 |
| 79 | -23 | -47 | -32 | -18 | -2 | 24 | 26 | 28 | 16 | -20 | -20 | -33 | -47 |
| 80 | -24 | -29 | -24 | -22 | -6 | 19 | 30 | 25 | 9 | -8 | -15 | -27 | -29 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

| WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | | |
|--------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR | -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 81 | -29 | -36 | -27 | -24 | -4 | 27 | 32 | 30 | 5 | -9 | -9 | -24 | -36 |
| 82 | -33 | -27 | -26 | -20 | -4 | 28 | 27 | 25 | 1 | -9 | -26 | -38 | -38 |
| 83 | -38 | -40 | -36 | -27 | -9 | 25 | 32 | 27 | 9 | -8 | -20 | -29 | -40 |
| 84 | -38 | -42 | -42 | -22 | -2 | 25 | 32 | 30 | 12 | -8 | -27 | -33 | -42 |
| 85 | -31 | -29 | -33 | -20 | 0 | 28 | 30 | 34 | 9 | -17 | -9 | -20 | -33 |
| 86 | -27 | -26 | -38 | -22 | 14 | 23 | 28 | 27 | 5 | -15 | -29 | -27 | -38 |
| MEAN | -32.0 | -33.7 | -32.7 | -22.9 | -1.4 | 23.4 | 29.5 | 27.3 | 8.8 | -8.6 | -21.4 | -26.7 | -37.7 |
| S.D. | 5.193 | 5.672 | 6.635 | 5.851 | 7.001 | 2.983 | 2.748 | 2.761 | 5.636 | 6.079 | 5.484 | 5.149 | 4.152 |
| TOTAL OBS | 1085 | 989 | 1084 | 1050 | 1085 | 1050 | 1085 | 1085 | 1049 | 1085 | 1079 | 1115 | 12641 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 01-02 | MEAN | -7.9 | -14.5 | -11.8 | -8.8 | 19.4 | 33.7 | 40.0 | 36.5 | 26.2 | 12.3 | 1.0 | -5.7 | 10.8 |
| | SD | 16.129 | 19.267 | 16.624 | 10.726 | 9.337 | 5.641 | 5.504 | 4.554 | 7.606 | 11.449 | 12.176 | 14.321 | 21.671 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 924 | 930 | 900 | 930 | 899 | 930 | 10949 |
| 03-05 | MEAN | -8.0 | -14.4 | -11.9 | -1.3 | 19.2 | 33.6 | 39.8 | 36.2 | 25.9 | 12.1 | .9 | -5.6 | 10.6 |
| | SD | 16.104 | 17.069 | 16.936 | 10.869 | 9.411 | 5.986 | 5.369 | 4.666 | 7.606 | 11.275 | 12.149 | 14.418 | 21.616 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 924 | 930 | 900 | 928 | 900 | 930 | 10948 |
| 06-08 | MEAN | -7.9 | -14.2 | -12.0 | -2.5 | 20.6 | 34.1 | 40.5 | 36.9 | 26.1 | 12.1 | .8 | -6.0 | 11.0 |
| | SD | 15.915 | 19.022 | 17.037 | 10.546 | 8.957 | 6.007 | 5.879 | 4.636 | 7.704 | 11.239 | 12.241 | 14.713 | 21.838 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 926 | 930 | 900 | 930 | 900 | 929 | 10951 |
| 09-11 | MEAN | -7.8 | -14.2 | -10.7 | 2.4 | 22.4 | 35.0 | 41.3 | 38.2 | 28.0 | 12.7 | .9 | -5.7 | 12.0 |
| | SD | 15.792 | 18.958 | 16.156 | 9.773 | 8.194 | 6.137 | 5.944 | 4.658 | 7.563 | 11.229 | 12.476 | 14.830 | 22.039 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 899 | 930 | 930 | 900 | 930 | 899 | 930 | 10954 |
| 12-14 | MEAN | -7.7 | -14.1 | -8.9 | 4.5 | 23.7 | 36.0 | 41.8 | 39.0 | 29.6 | 13.3 | .9 | -5.9 | 12.8 |
| | SD | 16.037 | 18.868 | 14.648 | 9.351 | 7.781 | 6.390 | 6.020 | 4.815 | 6.964 | 11.383 | 12.246 | 14.678 | 22.110 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 929 | 930 | 900 | 930 | 900 | 930 | 10955 |
| 15-17 | MEAN | -7.7 | -14.2 | -9.0 | 5.2 | 24.3 | 36.1 | 42.1 | 39.1 | 29.7 | 12.9 | 1.0 | -5.5 | 13.0 |
| | SD | 16.000 | 18.845 | 14.420 | 9.243 | 7.644 | 6.281 | 6.214 | 4.750 | 7.030 | 11.254 | 12.276 | 14.681 | 22.150 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 927 | 930 | 900 | 930 | 900 | 930 | 10953 |
| 19-20 | MEAN | -7.2 | -14.2 | -10.4 | 4.0 | 24.2 | 36.0 | 42.0 | 38.7 | 28.4 | 12.6 | 1.3 | -5.3 | 12.6 |
| | SD | 15.443 | 18.803 | 15.503 | 9.564 | 7.642 | 5.998 | 5.843 | 4.663 | 7.701 | 11.337 | 11.888 | 14.537 | 22.070 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 926 | 930 | 900 | 930 | 900 | 929 | 10951 |
| 21-23 | MEAN | -7.8 | -14.5 | -11.5 | .8 | 22.1 | 34.9 | 40.8 | 37.3 | 26.4 | 12.0 | .8 | -5.9 | 11.4 |
| | SD | 15.743 | 19.208 | 16.550 | 10.338 | 8.390 | 5.907 | 5.555 | 4.569 | 8.014 | 11.280 | 12.110 | 14.768 | 21.934 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 899 | 924 | 930 | 900 | 930 | 900 | 927 | 10946 |
| ALL HOURS | MEAN | -7.7 | -14.3 | -10.8 | 1.8 | 22.0 | 34.9 | 41.0 | 37.7 | 27.6 | 12.5 | .9 | -5.7 | 11.8 |
| | SD | 15.889 | 18.996 | 16.005 | 10.337 | 8.661 | 6.142 | 5.856 | 4.789 | 7.672 | 11.309 | 12.194 | 14.612 | 21.946 |
| | TOT OBS | 7440 | 6768 | 7440 | 7200 | 7440 | 7198 | 7410 | 7440 | 7200 | 7438 | 7198 | 7435 | 87607 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 047020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

| HOURS | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YR |
|-----------|---------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| LST | | | | | | | | | | | | | | |
| 00-02 | MEAN | -8.7 | -14.0 | -11.9 | -1.6 | 17.2 | 30.2 | 36.1 | 33.4 | 23.4 | 11.0 | .1 | -5.7 | 9.0 |
| | SD | 16.248 | 18.142 | 16.465 | 10.067 | 8.515 | 4.397 | 3.829 | 3.842 | 7.193 | 9.936 | 11.689 | 13.959 | 20.001 |
| | TOT OPS | 811 | 813 | 924 | 898 | 928 | 844 | 791 | 836 | 807 | 866 | 797 | 816 | 16133 |
| 03-05 | MEAN | -8.8 | -13.8 | -12.1 | -2.0 | 16.9 | 30.1 | 35.9 | 33.0 | 23.2 | 10.8 | -1.1 | -5.5 | 8.8 |
| | SD | 16.228 | 17.993 | 16.803 | 10.266 | 8.583 | 4.551 | 3.816 | 3.981 | 7.155 | 9.799 | 11.599 | 14.120 | 19.990 |
| | TOT OPS | 810 | 813 | 926 | 899 | 930 | 851 | 785 | 837 | 807 | 868 | 774 | 809 | 16129 |
| 06-08 | MEAN | -8.7 | -13.7 | -12.1 | -1.3 | 18.0 | 30.5 | 36.3 | 33.5 | 23.3 | 10.9 | .0 | -5.9 | 9.1 |
| | SD | 16.011 | 17.924 | 16.853 | 9.879 | 8.147 | 4.578 | 4.119 | 3.806 | 7.166 | 9.655 | 11.621 | 14.357 | 20.085 |
| | TOT OPS | 810 | 810 | 922 | 899 | 930 | 850 | 789 | 835 | 805 | 870 | 797 | 816 | 16135 |
| 09-11 | MEAN | -8.6 | -13.6 | -10.9 | 1.4 | 19.6 | 31.0 | 36.8 | 34.4 | 24.6 | 11.4 | .0 | -5.7 | 10.0 |
| | SD | 15.787 | 17.703 | 15.882 | 8.995 | 7.429 | 4.527 | 4.089 | 3.669 | 6.915 | 9.599 | 11.918 | 14.464 | 20.104 |
| | TOT OPS | 815 | 809 | 917 | 900 | 930 | 853 | 805 | 833 | 804 | 868 | 792 | 814 | 16140 |
| 12-14 | MEAN | -8.5 | -13.4 | -9.2 | 3.3 | 20.6 | 31.6 | 37.0 | 34.8 | 25.9 | 11.9 | .0 | -5.7 | 10.6 |
| | SD | 16.039 | 17.551 | 14.407 | 6.577 | 6.967 | 4.567 | 3.969 | 3.736 | 6.356 | 9.648 | 11.640 | 14.408 | 20.079 |
| | TOT OPS | 814 | 807 | 922 | 897 | 930 | 845 | 805 | 836 | 807 | 875 | 797 | 819 | 16154 |
| 15-17 | MEAN | -8.7 | -13.5 | -9.3 | 4.0 | 21.1 | 31.8 | 37.3 | 34.9 | 26.0 | 11.6 | .0 | -5.6 | 10.7 |
| | SD | 16.006 | 17.578 | 14.241 | 8.440 | 6.846 | 4.412 | 4.073 | 3.651 | 6.437 | 9.749 | 11.679 | 14.362 | 20.087 |
| | TOT OPS | 820 | 807 | 923 | 894 | 929 | 848 | 798 | 841 | 809 | 864 | 800 | 820 | 16153 |
| 18-20 | MEAN | -8.1 | -13.4 | -10.7 | 2.9 | 21.1 | 31.8 | 37.2 | 34.8 | 25.1 | 11.3 | .3 | -5.3 | 10.5 |
| | SD | 15.415 | 17.532 | 15.335 | 8.809 | 6.860 | 4.208 | 3.868 | 3.632 | 7.161 | 9.778 | 11.336 | 14.139 | 20.100 |
| | TOT OPS | 821 | 811 | 924 | 894 | 929 | 856 | 795 | 837 | 809 | 865 | 799 | 814 | 16154 |
| 21-23 | MEAN | -8.0 | -13.7 | -11.8 | -1.1 | 19.5 | 31.0 | 36.6 | 33.9 | 23.5 | 10.8 | -1.2 | -5.7 | 9.5 |
| | SD | 15.760 | 17.989 | 16.406 | 9.606 | 7.575 | 4.243 | 3.768 | 3.679 | 7.515 | 9.816 | 11.576 | 14.393 | 20.151 |
| | TOT OPS | 820 | 810 | 925 | 895 | 926 | 844 | 794 | 835 | 810 | 860 | 796 | 814 | 16129 |
| ALL HOURS | MEAN | -8.6 | -13.6 | -11.0 | .8 | 19.3 | 31.0 | 36.6 | 34.1 | 24.4 | 11.2 | .0 | -5.7 | 9.8 |
| | SD | 15.929 | 17.781 | 15.822 | 9.564 | 7.808 | 4.481 | 3.972 | 3.816 | 7.084 | 9.750 | 11.627 | 14.269 | 20.085 |
| | TOT OPS | 6521 | 6480 | 7383 | 7176 | 7432 | 6791 | 6362 | 6690 | 6458 | 6936 | 6372 | 6526 | 81127 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

| HOURS EST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| 00-02 | MEAN | -19.0 | -24.3 | -22.1 | -11.8 | 8.7 | 23.3 | 30.2 | 28.1 | 16.2 | 1.3 | -10.6 | -15.3 | .2 |
| | SD | 24.063 | 27.064 | 25.202 | 16.462 | 10.172 | 5.091 | 4.266 | 4.868 | 9.008 | 11.254 | 16.361 | 20.594 | 21.995 |
| | TOT OPS | 811 | 813 | 924 | 898 | 928 | 844 | 791 | 836 | 807 | 866 | 797 | 818 | 10133 |
| 03-05 | MEAN | -19.2 | -24.4 | -22.1 | -12.3 | 8.2 | 23.2 | 30.3 | 27.7 | 15.7 | 1.6 | -10.9 | -15.6 | .0 |
| | SD | 24.172 | 27.100 | 25.366 | 16.846 | 10.379 | 5.307 | 4.274 | 5.165 | 8.980 | 11.075 | 16.440 | 20.726 | 21.987 |
| | TOT OPS | 810 | 813 | 926 | 899 | 930 | 851 | 785 | 837 | 807 | 868 | 794 | 809 | 10129 |
| 06-08 | MEAN | -19.3 | -24.2 | -22.1 | -11.7 | 9.1 | 23.4 | 30.2 | 27.9 | 15.8 | 1.7 | -10.7 | -15.5 | .2 |
| | SD | 24.213 | 26.966 | 25.445 | 16.338 | 9.905 | 5.331 | 4.429 | 4.974 | 8.966 | 10.989 | 16.413 | 20.801 | 21.999 |
| | TOT OPS | 810 | 810 | 922 | 899 | 930 | 850 | 789 | 835 | 875 | 870 | 797 | 818 | 10135 |
| 09-11 | MEAN | -19.3 | -24.1 | -21.3 | -9.3 | 10.4 | 23.7 | 30.4 | 28.3 | 16.5 | 2.2 | -10.7 | -15.4 | .9 |
| | SD | 23.976 | 26.642 | 24.668 | 14.305 | 9.271 | 5.259 | 4.729 | 4.902 | 8.765 | 10.926 | 16.568 | 21.011 | 21.915 |
| | TOT OPS | 815 | 809 | 917 | 900 | 930 | 853 | 805 | 833 | 874 | 868 | 792 | 814 | 10140 |
| 12-14 | MEAN | -19.3 | -23.8 | -20.0 | -7.4 | 11.0 | 23.8 | 30.4 | 28.4 | 17.5 | 2.4 | -10.6 | -15.5 | 1.4 |
| | SD | 23.990 | 26.448 | 23.334 | 12.716 | 8.853 | 5.190 | 4.452 | 5.018 | 8.473 | 10.951 | 16.255 | 20.918 | 21.705 |
| | TOT OPS | 814 | 807 | 922 | 897 | 930 | 845 | 805 | 836 | 807 | 875 | 797 | 819 | 10154 |
| 15-17 | MEAN | -19.4 | -23.8 | -19.8 | -6.7 | 11.6 | 24.0 | 30.4 | 28.4 | 17.6 | 2.3 | -10.6 | -15.4 | 1.5 |
| | SD | 24.070 | 26.515 | 23.078 | 12.258 | 8.680 | 5.015 | 4.284 | 4.776 | 8.476 | 10.945 | 16.269 | 20.922 | 21.713 |
| | TOT OPS | 820 | 807 | 923 | 894 | 929 | 848 | 798 | 841 | 809 | 864 | 800 | 820 | 10153 |
| 18-20 | MEAN | -19.0 | -23.7 | -20.8 | -7.5 | 11.9 | 24.3 | 30.5 | 28.7 | 17.4 | 2.0 | -10.2 | -14.9 | 1.5 |
| | SD | 23.646 | 26.438 | 23.939 | 13.025 | 8.697 | 4.949 | 4.287 | 4.642 | 9.038 | 10.893 | 15.742 | 20.492 | 21.814 |
| | TOT OPS | 821 | 811 | 924 | 894 | 929 | 856 | 795 | 837 | 809 | 865 | 799 | 814 | 10154 |
| 21-23 | MEAN | -19.3 | -23.8 | -21.8 | -10.5 | 10.8 | 23.8 | 30.2 | 28.3 | 16.1 | 1.5 | -10.7 | -15.3 | .7 |
| | SD | 23.909 | 26.551 | 25.083 | 15.259 | 9.151 | 4.926 | 4.410 | 4.575 | 9.303 | 11.099 | 16.369 | 20.839 | 21.974 |
| | TOT OPS | 820 | 810 | 925 | 895 | 926 | 844 | 794 | 835 | 810 | 860 | 796 | 814 | 10129 |
| ALL HOURS | MEAN | -19.2 | -24.0 | -21.3 | -9.6 | 10.2 | 23.7 | 30.3 | 28.2 | 16.6 | 1.9 | -10.6 | -15.4 | .8 |
| | SD | 23.992 | 26.703 | 24.519 | 14.747 | 9.495 | 5.145 | 4.393 | 4.876 | 8.905 | 11.016 | 16.294 | 20.778 | 21.894 |
| | TOT OPS | 6521 | 6460 | 7383 | 7176 | 7432 | 6791 | 6362 | 6690 | 6458 | 6936 | 6372 | 6526 | 81127 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-96
MONTH: JAN

| MONTH | HOURS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|--------|--|-------|------|------|------|------|------|-----|-----|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | 100.0 | 99.9 | 99.5 | 94.1 | 72.5 | 43.5 | 20.8 | 7.3 | 2.3 | 59.3 | 811 |
| | 03-05 | 100.0 | 100.0 | 99.6 | 94.2 | 70.2 | 44.1 | 19.0 | 7.2 | 2.1 | 59.1 | 810 |
| | 06-08 | 100.0 | 99.8 | 99.0 | 94.1 | 71.4 | 42.6 | 15.1 | 4.8 | 1.2 | 58.2 | 810 |
| | 09-11 | 100.0 | 99.8 | 99.3 | 93.3 | 69.3 | 42.8 | 15.0 | 5.4 | 1.3 | 58.0 | 815 |
| | 12-14 | 100.0 | 100.0 | 99.8 | 93.5 | 70.1 | 39.4 | 14.5 | 5.3 | 1.7 | 57.8 | 814 |
| | 15-17 | 100.0 | 100.0 | 99.8 | 91.2 | 68.8 | 39.6 | 14.8 | 4.5 | 1.1 | 57.8 | 820 |
| | 18-20 | 100.0 | 99.9 | 99.0 | 91.2 | 66.4 | 37.4 | 16.3 | 6.3 | 1.7 | 57.4 | 821 |
| | 21-23 | 100.0 | 100.0 | 99.6 | 93.0 | 69.4 | 37.6 | 17.3 | 7.0 | 2.4 | 58.3 | 820 |
| | TOTALS | 100.0 | 99.9 | 99.5 | 93.1 | 69.8 | 40.9 | 16.6 | 6.0 | 1.7 | 59.2 | 6521 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042027 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FEB

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|--------|----------------|--|-------|-------|------|------|------|------|-----|-----|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | 100.0 | 100.0 | 99.8 | 95.6 | 73.1 | 40.3 | 16.4 | 4.6 | 1.0 | 58.8 | 813 |
| | 03-05 | 100.0 | 99.9 | 99.9 | 95.8 | 72.0 | 40.6 | 14.1 | 3.2 | .5 | 58.0 | 813 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 95.6 | 73.3 | 38.9 | 13.6 | 4.9 | .9 | 58.3 | 810 |
| | 09-11 | 100.0 | 100.0 | 99.6 | 96.0 | 74.4 | 40.0 | 12.7 | 4.0 | 1.2 | 58.5 | 809 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 96.8 | 74.6 | 42.4 | 12.6 | 3.6 | 1.0 | 58.7 | 807 |
| | 15-17 | 100.0 | 100.0 | 99.5 | 95.8 | 75.6 | 42.8 | 14.9 | 3.8 | .9 | 59.0 | 807 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 97.3 | 75.8 | 42.4 | 15.4 | 4.4 | 1.1 | 59.1 | 811 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 97.7 | 75.3 | 44.2 | 17.0 | 5.1 | 1.5 | 59.7 | 810 |
| TOTALS | | 100.0 | 100.0 | 99.8 | 96.3 | 74.3 | 41.5 | 14.6 | 4.2 | 1.0 | 58.8 | 6480 |

GLOBAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
 MONTH: MAR

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|------|------|------|------|-----|-----|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| MAR | 00-02 | 100.0 | 100.0 | 100.0 | 97.0 | 72.8 | 44.0 | 18.0 | 6.9 | 1.8 | 59.7 | 924 |
| | 03-05 | 100.0 | 99.9 | 99.8 | 96.2 | 75.3 | 47.3 | 18.8 | 7.7 | 2.9 | 60.3 | 926 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 97.6 | 73.8 | 45.8 | 20.2 | 7.6 | 2.0 | 60.2 | 922 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 96.2 | 71.4 | 41.0 | 16.5 | 6.9 | 1.5 | 58.9 | 917 |
| | 12-14 | 100.0 | 100.0 | 99.6 | 95.8 | 70.5 | 36.9 | 13.9 | 5.5 | 1.8 | 58.0 | 927 |
| | 15-17 | 100.0 | 99.9 | 99.8 | 96.1 | 72.2 | 43.0 | 16.4 | 7.2 | 1.8 | 59.1 | 923 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 96.8 | 74.6 | 44.9 | 18.0 | 7.7 | 2.2 | 60.0 | 924 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 95.1 | 74.4 | 47.1 | 17.7 | 7.4 | 2.3 | 60.0 | 925 |
| | TOTALS | 100.0 | 100.0 | 99.9 | 96.4 | 73.1 | 43.8 | 17.4 | 7.1 | 2.0 | 59.5 | 7383 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: APR

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|------|------|------|------|-----|-----|------------------------|------------|-------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | [RELATIVE HUMIDITY] | NUM OBS | |
| APR | 00-07 | 100.0 | 99.9 | 99.9 | 97.2 | 73.3 | 46.5 | 19.9 | 7.2 | 2.2 | 60.0 | 896 | |
| | 03-05 | 100.0 | 100.0 | 99.9 | 96.6 | 75.4 | 44.4 | 18.9 | 6.5 | 1.9 | 59.8 | 899 | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 96.8 | 73.2 | 42.2 | 17.6 | 6.9 | 1.8 | 59.3 | 899 | |
| | 09-11 | 100.0 | 100.0 | 99.8 | 95.8 | 71.4 | 37.6 | 16.2 | 6.0 | 1.6 | 58.3 | 900 | |
| | 12-14 | 100.0 | 100.0 | 100.0 | 94.8 | 72.1 | 37.9 | 15.7 | 5.5 | .6 | 58.2 | 897 | |
| | 15-17 | 100.0 | 100.0 | 99.9 | 95.1 | 70.5 | 40.2 | 15.3 | 4.7 | .3 | 58.0 | 894 | |
| | 18-20 | 100.0 | 100.0 | 100.0 | 96.5 | 72.5 | 41.6 | 17.6 | 7.6 | 1.6 | 59.2 | 894 | |
| | 21-23 | 100.0 | 100.0 | 100.0 | 96.5 | 73.6 | 46.3 | 18.8 | 8.3 | 2.1 | 60.0 | 895 | |
| | TOTALS | 100.0 | 100.0 | 99.9 | 96.2 | 72.8 | 42.1 | 17.5 | 6.6 | 1.5 | 59.1 | 7176 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 97.8 | 82.1 | 56.9 | 29.1 | 10.7 | 4.7 | 63.9 | 926 |
| | 03-05 | 100.0 | 100.0 | 99.8 | 96.9 | 79.6 | 55.2 | 27.4 | 10.8 | 5.1 | 63.1 | 930 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 97.0 | 77.2 | 53.0 | 22.6 | 10.2 | 3.3 | 61.9 | 930 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 94.8 | 76.3 | 49.2 | 21.0 | 8.1 | 2.2 | 60.7 | 930 |
| | 12-14 | 100.0 | 99.9 | 99.5 | 92.9 | 72.5 | 44.2 | 17.3 | 4.9 | 1.4 | 59.2 | 930 |
| | 15-17 | 100.0 | 99.9 | 99.8 | 94.0 | 72.2 | 46.3 | 18.2 | 5.6 | .3 | 59.4 | 929 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 95.8 | 73.6 | 48.7 | 20.9 | 6.9 | 1.9 | 60.4 | 929 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 98.4 | 80.5 | 53.8 | 24.4 | 11.3 | 3.8 | 62.6 | 926 |
| | TOTALS | 100.0 | 100.0 | 99.9 | 96.0 | 76.8 | 50.9 | 22.6 | 8.6 | 2.8 | 61.4 | 7432 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | 100.0 | 100.0 | 99.4 | 96.3 | 86.9 | 67.4 | 34.2 | 18.4 | 8.3 | 66.9 | 844 |
| | 03-05 | 100.0 | 99.9 | 99.4 | 96.1 | 86.5 | 68.4 | 34.2 | 17.7 | 8.3 | 67.0 | 851 |
| | 06-08 | 100.0 | 100.0 | 99.6 | 95.9 | 86.0 | 65.9 | 32.0 | 16.0 | 7.3 | 66.2 | 850 |
| | 09-11 | 100.0 | 100.0 | 99.6 | 95.9 | 82.1 | 60.1 | 29.5 | 17.1 | 7.0 | 64.8 | 853 |
| | 12-14 | 100.0 | 99.8 | 99.2 | 94.7 | 77.2 | 56.0 | 26.5 | 13.7 | 5.7 | 62.9 | 845 |
| | 15-17 | 100.0 | 100.0 | 98.9 | 94.2 | 79.1 | 56.8 | 27.5 | 14.6 | 6.7 | 63.2 | 848 |
| | 18-20 | 100.0 | 100.0 | 98.6 | 93.8 | 82.6 | 59.8 | 27.9 | 15.4 | 7.4 | 64.3 | 856 |
| | 21-23 | 100.0 | 100.0 | 99.1 | 95.0 | 84.4 | 64.7 | 29.1 | 15.5 | 7.8 | 65.4 | 844 |
| | TOTALS | 100.0 | 100.0 | 99.3 | 95.2 | 83.1 | 62.4 | 30.1 | 16.1 | 7.3 | 65.1 | 6791 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUL

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | 100.0 | 100.0 | 99.1 | 97.1 | 89.4 | 74.8 | 43.7 | 22.6 | 6.4 | 69.6 | 791 |
| | 03-05 | 100.0 | 100.0 | 99.5 | 97.7 | 91.7 | 76.1 | 45.4 | 26.2 | 7.4 | 70.6 | 785 |
| | 06-08 | 100.0 | 100.0 | 98.7 | 95.9 | 91.4 | 71.0 | 42.5 | 21.2 | 5.4 | 68.7 | 789 |
| | 09-11 | 100.0 | 99.6 | 96.1 | 95.3 | 89.6 | 68.7 | 38.4 | 17.9 | 4.2 | 67.3 | 805 |
| | 12-14 | 100.0 | 99.3 | 98.5 | 95.4 | 88.4 | 65.6 | 32.5 | 16.4 | 4.6 | 66.2 | 805 |
| | 15-17 | 100.0 | 99.5 | 98.2 | 94.7 | 85.5 | 63.0 | 31.7 | 15.4 | 4.1 | 65.2 | 798 |
| | 18-20 | 100.0 | 100.0 | 98.6 | 95.7 | 85.3 | 63.9 | 35.0 | 17.0 | 3.8 | 65.9 | 795 |
| | 21-23 | 100.0 | 99.9 | 98.5 | 96.1 | 86.3 | 68.8 | 40.2 | 22.5 | 4.0 | 67.7 | 794 |
| | TOTALS | 100.0 | 99.8 | 98.7 | 96.0 | 88.5 | 69.0 | 38.7 | 19.9 | 5.0 | 67.7 | 6362 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: AUG

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | HUM OBS |
| AUG | 00-02 | 100.0 | 100.0 | 100.0 | 99.5 | 95.5 | 83.4 | 48.9 | 27.9 | 11.5 | 72.7 | 895 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.2 | 95.6 | 82.6 | 50.7 | 29.3 | 9.6 | 72.5 | 837 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.3 | 93.3 | 78.6 | 45.1 | 25.0 | 9.3 | 71.2 | 835 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.0 | 91.2 | 70.9 | 37.5 | 20.4 | 8.2 | 69.1 | 833 |
| | 12-14 | 100.0 | 100.0 | 99.6 | 97.8 | 89.5 | 71.2 | 32.1 | 16.0 | 6.0 | 67.4 | 836 |
| | 15-17 | 100.0 | 100.0 | 99.8 | 98.1 | 88.9 | 68.1 | 31.0 | 16.8 | 5.5 | 66.9 | 841 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 98.7 | 91.2 | 71.1 | 37.6 | 20.1 | 5.9 | 68.6 | 837 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.4 | 93.3 | 78.6 | 43.1 | 24.8 | 8.0 | 70.9 | 835 |
| | TOTALS | 100.0 | 100.0 | 99.9 | 98.9 | 92.3 | 75.6 | 40.8 | 22.5 | 8.0 | 69.9 | 6690 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: SEP

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|------|------|------|------|------|-----|----------------------|------------|-------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS | |
| SEP | 00-02 | 100.0 | 100.0 | 100.0 | 98.9 | 91.0 | 66.0 | 33.0 | 18.5 | 5.7 | 66.9 | 807 | |
| | 03-05 | 100.0 | 100.0 | 99.9 | 97.1 | 89.0 | 65.7 | 34.9 | 16.2 | 5.5 | 66.6 | 807 | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 97.0 | 88.8 | 65.3 | 34.0 | 16.0 | 6.5 | 66.6 | 805 | |
| | 09-11 | 100.0 | 100.0 | 100.0 | 96.0 | 81.8 | 55.3 | 29.6 | 14.9 | 6.1 | 63.8 | 804 | |
| | 12-14 | 100.0 | 100.0 | 99.5 | 93.2 | 77.9 | 53.0 | 26.0 | 14.5 | 5.1 | 62.6 | 807 | |
| | 15-17 | 100.0 | 100.0 | 99.5 | 94.2 | 78.6 | 53.3 | 25.0 | 13.8 | 4.7 | 62.4 | 804 | |
| | 18-20 | 100.0 | 100.0 | 99.6 | 96.5 | 84.3 | 59.5 | 28.2 | 18.2 | 5.4 | 64.3 | 805 | |
| | 21-23 | 100.0 | 100.0 | 99.9 | 98.1 | 90.5 | 65.7 | 32.0 | 18.1 | 5.0 | 66.6 | 810 | |
| | TOTALS | 100.0 | 100.0 | 99.8 | 96.4 | 85.2 | 60.5 | 30.3 | 16.3 | 5.6 | 65.0 | 6458 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: OCT

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|--------|----------------|--|-------|------|------|------|------|------|-----|-----|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NO. OBS |
| OCT | 00-02 | 100.0 | 100.0 | 99.8 | 94.8 | 82.0 | 56.5 | 22.6 | 7.3 | 1.7 | 61.9 | 866 |
| | 03-05 | 100.0 | 100.0 | 99.6 | 94.8 | 80.9 | 55.0 | 24.2 | 7.4 | 2.3 | 61.9 | 866 |
| | 06-08 | 100.0 | 100.0 | 99.5 | 94.5 | 81.6 | 56.2 | 23.4 | 6.3 | 1.1 | 62.0 | 870 |
| | 09-11 | 100.0 | 100.0 | 99.4 | 94.5 | 82.3 | 58.1 | 23.5 | 5.9 | .9 | 61.9 | 866 |
| | 12-14 | 100.0 | 100.0 | 99.0 | 93.9 | 80.3 | 54.6 | 22.1 | 6.1 | 1.6 | 61.0 | 875 |
| | 15-17 | 100.0 | 100.0 | 99.7 | 94.7 | 83.4 | 56.3 | 20.6 | 4.2 | .9 | 61.5 | 864 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 94.3 | 82.9 | 55.8 | 19.0 | 6.5 | 2.0 | 61.5 | 865 |
| | 21-23 | 100.0 | 100.0 | 99.5 | 95.5 | 81.6 | 56.5 | 20.3 | 5.9 | 2.1 | 61.6 | 861 |
| TOTALS | | 100.0 | 100.0 | 99.6 | 94.6 | 81.9 | 56.1 | 22.0 | 6.2 | 1.6 | 61.6 | 6936 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-78,80-86
MONTH: NOV

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|------|------|------|------|------|-----|-----|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 100.0 | 100.0 | 98.9 | 89.7 | 70.9 | 45.0 | 17.9 | 4.6 | .9 | 54.3 | 797 |
| | 03-05 | 100.0 | 99.7 | 99.5 | 89.4 | 70.3 | 45.0 | 17.5 | 5.2 | .6 | 59.1 | 794 |
| | 06-08 | 100.0 | 99.9 | 99.2 | 89.6 | 72.1 | 45.3 | 17.7 | 5.1 | 1.0 | 54.4 | 797 |
| | 09-11 | 100.0 | 100.0 | 99.0 | 89.4 | 70.6 | 45.5 | 17.3 | 4.8 | .6 | 55.2 | 796 |
| | 12-14 | 100.0 | 100.0 | 99.1 | 90.1 | 73.3 | 44.3 | 18.3 | 5.8 | 1.1 | 58.6 | 797 |
| | 15-17 | 100.0 | 100.0 | 99.1 | 89.1 | 71.4 | 44.5 | 18.6 | 6.4 | 1.4 | 58.6 | 801 |
| | 18-20 | 100.0 | 100.0 | 99.7 | 91.4 | 73.7 | 45.8 | 17.6 | 6.3 | 1.9 | 59.0 | 794 |
| | 21-23 | 100.0 | 100.0 | 99.6 | 90.7 | 71.9 | 45.2 | 17.1 | 6.7 | 1.5 | 58.8 | 796 |
| | TOTALS | 100.0 | 100.0 | 99.3 | 89.9 | 71.8 | 45.1 | 17.8 | 5.6 | 1.2 | 58.5 | 6372 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|------|------|------|------|-----|-----|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| DEC | 00-02 | 100.0 | 100.0 | 99.6 | 95.8 | 79.3 | 50.6 | 24.0 | 8.8 | 3.5 | 61.7 | 818 |
| | 03-05 | 100.0 | 99.9 | 99.6 | 95.8 | 79.0 | 48.2 | 23.6 | 7.5 | 2.7 | 61.2 | 809 |
| | 06-08 | 100.0 | 100.0 | 99.9 | 96.5 | 77.6 | 49.8 | 24.8 | 8.7 | 3.3 | 61.8 | 818 |
| | 09-11 | 100.0 | 100.0 | 99.6 | 96.8 | 77.6 | 48.5 | 24.2 | 9.7 | 2.2 | 61.5 | 814 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 97.6 | 79.5 | 51.3 | 24.7 | 7.1 | 2.6 | 61.7 | 819 |
| | 15-17 | 100.0 | 100.0 | 99.9 | 96.5 | 78.4 | 48.2 | 21.5 | 8.0 | 2.8 | 61.1 | 820 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 96.2 | 79.2 | 50.2 | 23.3 | 8.5 | 2.8 | 61.6 | 814 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 96.9 | 79.0 | 51.2 | 23.6 | 8.1 | 3.7 | 61.7 | 814 |
| | TOTALS | 100.0 | 100.0 | 99.8 | 96.5 | 78.7 | 49.8 | 23.7 | 8.3 | 3.0 | 61.5 | 6526 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

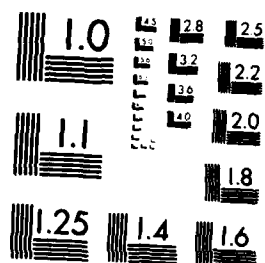
STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTHS: ALL

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL |
|--------|----------------|--|-------|------|------|------|------|------|------|-----|-------------|------------------------------|-------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | NO. OBS. | | |
| JAN | ALL | 100.0 | 99.9 | 99.5 | 93.1 | 69.8 | 40.9 | 16.6 | 6.0 | 1.7 | 59.0 | 64.1 | |
| FEB | | 100.0 | 100.0 | 99.8 | 96.3 | 74.3 | 41.5 | 19.0 | 9.2 | 1.1 | 58.9 | 64.0 | |
| MAR | | 100.0 | 100.0 | 99.9 | 96.4 | 73.1 | 43.8 | 17.4 | 7.1 | 1.0 | 59.2 | 77.9 | |
| APR | | 100.0 | 100.0 | 99.9 | 96.2 | 72.8 | 42.1 | 17.5 | 6.6 | 1.0 | 59.1 | 77.0 | |
| MAY | | 100.0 | 100.0 | 99.9 | 96.0 | 76.9 | 50.9 | 22.0 | 8.8 | 1.0 | 59.3 | 76.0 | |
| JUN | | 100.0 | 100.0 | 99.3 | 95.2 | 83.1 | 62.4 | 35.1 | 16.1 | 3.0 | 59.1 | 67.0 | |
| JUL | | 100.0 | 99.8 | 98.7 | 90.0 | 84.6 | 69.7 | 56.2 | 34.8 | 1.1 | 59.7 | 67.0 | |
| AUG | | 100.0 | 100.0 | 99.9 | 98.9 | 92.7 | 75.6 | 49.3 | 22.7 | 3.1 | 59.3 | 66.0 | |
| SEP | | 100.0 | 100.0 | 99.8 | 97.4 | 85.2 | 68.3 | 50.7 | 34.7 | 1.0 | 59.2 | 66.0 | |
| OCT | | 100.0 | 100.0 | 99.6 | 94.0 | 81.0 | 59.7 | 39.0 | 19.0 | 1.0 | 59.2 | 66.0 | |
| NOV | | 100.0 | 100.0 | 99.3 | 89.7 | 71.8 | 49.1 | 27.8 | 11.0 | 1.0 | 59.0 | 66.0 | |
| DEC | | 100.0 | 100.0 | 99.8 | 96.5 | 78.7 | 59.3 | 37.7 | 18.0 | 1.0 | 59.2 | 66.0 | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 95.9 | 79.2 | 60.2 | 38.2 | 19.0 | 1.0 | 59.2 | 760.0 | |

AD-A187 857 THULE AB GREENLAND REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATION (U) AIR FORCE ENVIRONMENTAL 4/4
TECHNICAL APPLICATIONS CENTER SCOTT A.. 12 MAY 87
UNCLASSIFIED USAFETAC/DS-87/824 F/C 4/2 ML

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

| | | | | |
|---------|---------|----------|----------|----------|
| PPPPPPP | AAAAAA | RRRRRRR | TTTTTTTT | FFFFFFFF |
| PPPPPPP | AAAAAAA | RRRRRRRR | TTTTTTTT | FFFFFFFF |
| PP PP | AA AA | RR RR | TT | FF |
| PP PP | AA AA | RR RR | TT | FF |
| PPPPPPP | AA AA | RRRRRRR | TT | FFFFF |
| PPPPPPP | AAAAAAA | RRRRRRR | TT | FFFFF |
| PP | AAAAAAA | RR RR | TT | FF |
| PP | AA AA | RR RR | TT | FF |
| PP | AA AA | RR RR | TT | FF |
| PP | AA AA | RR RR | TT | FF |

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 02 | MEAN | 29.493 | 29.573 | 29.562 | 29.723 | 29.725 | 29.603 | 29.543 | 29.525 | 29.563 | 29.485 | 29.475 | 29.449 | 29.560 |
| | SD | .389 | .398 | .413 | .379 | .277 | .217 | .206 | .229 | .255 | .301 | .326 | .390 | .330 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 308 | 310 | 300 | 310 | 300 | 310 | 3650 |
| 05 | MEAN | 29.499 | 29.560 | 29.568 | 29.729 | 29.726 | 29.603 | 29.545 | 29.528 | 29.566 | 29.488 | 29.481 | 29.455 | 29.564 |
| | SD | .387 | .401 | .414 | .327 | .278 | .215 | .207 | .229 | .256 | .302 | .328 | .391 | .330 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 308 | 310 | 300 | 310 | 300 | 310 | 3650 |
| 08 | MEAN | 29.498 | 29.584 | 29.571 | 29.731 | 29.729 | 29.602 | 29.542 | 29.533 | 29.571 | 29.491 | 29.479 | 29.455 | 29.565 |
| | SD | .385 | .402 | .412 | .329 | .275 | .215 | .208 | .231 | .255 | .302 | .320 | .389 | .329 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 11 | MEAN | 29.498 | 29.560 | 29.569 | 29.729 | 29.728 | 29.602 | 29.538 | 29.529 | 29.566 | 29.488 | 29.479 | 29.452 | 29.563 |
| | SD | .383 | .402 | .411 | .328 | .274 | .217 | .209 | .231 | .259 | .301 | .320 | .389 | .329 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 14 | MEAN | 29.491 | 29.577 | 29.564 | 29.728 | 29.723 | 29.601 | 29.540 | 29.529 | 29.562 | 29.486 | 29.474 | 29.450 | 29.560 |
| | SD | .384 | .400 | .410 | .326 | .272 | .220 | .208 | .232 | .259 | .304 | .321 | .389 | .329 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 17 | MEAN | 29.499 | 29.584 | 29.572 | 29.733 | 29.727 | 29.609 | 29.548 | 29.534 | 29.568 | 29.490 | 29.484 | 29.458 | 29.567 |
| | SD | .384 | .396 | .407 | .326 | .272 | .222 | .206 | .232 | .257 | .303 | .323 | .390 | .328 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 20 | MEAN | 29.504 | 29.564 | 29.574 | 29.735 | 29.727 | 29.612 | 29.551 | 29.538 | 29.573 | 29.492 | 29.481 | 29.463 | 29.569 |
| | SD | .386 | .397 | .404 | .328 | .273 | .221 | .205 | .229 | .256 | .302 | .325 | .391 | .328 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 308 | 310 | 300 | 310 | 300 | 309 | 3649 |
| 23 | MEAN | 29.501 | 29.577 | 29.572 | 29.732 | 29.722 | 29.613 | 29.546 | 29.534 | 29.567 | 29.485 | 29.475 | 29.457 | 29.565 |
| | SD | .387 | .398 | .408 | .329 | .275 | .220 | .207 | .230 | .257 | .303 | .328 | .393 | .330 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 308 | 310 | 300 | 309 | 300 | 309 | 3648 |
| ALL | MEAN | 29.498 | 29.580 | 29.569 | 29.730 | 29.726 | 29.606 | 29.544 | 29.531 | 29.567 | 29.488 | 29.478 | 29.455 | 29.564 |
| | SD | .385 | .399 | .409 | .327 | .274 | .218 | .207 | .230 | .256 | .302 | .323 | .390 | .329 |
| HOURS | TOT OBS | 2480 | 2256 | 2480 | 2400 | 2480 | 2400 | 2470 | 2480 | 2400 | 2479 | 2400 | 2478 | 29203 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HRS FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 02 | MEAN | 1009.8 | 1012.3 | 1010.7 | 1017.1 | 1017.1 | 1012.4 | 1010.1 | 1010.3 | 1011.4 | 1008.9 | 1008.1 | 1008.0 | 1011.3 |
| | SD | 13.654 | 13.867 | 14.041 | 11.247 | 9.377 | 7.410 | 7.035 | 7.597 | 8.651 | 10.233 | 11.335 | 13.010 | 11.258 |
| | TOT OBS | 273 | 247 | 274 | 267 | 269 | 267 | 275 | 275 | 269 | 268 | 267 | 275 | 3226 |
| 05 | MEAN | 1010.2 | 1012.4 | 1010.9 | 1017.2 | 1016.9 | 1012.4 | 1010.2 | 1010.2 | 1011.5 | 1009.1 | 1008.1 | 1008.5 | 1011.5 |
| | SD | 13.619 | 13.740 | 13.910 | 11.251 | 9.305 | 7.285 | 6.939 | 7.764 | 8.678 | 10.469 | 11.235 | 12.947 | 11.218 |
| | TOT OBS | 270 | 246 | 278 | 268 | 275 | 260 | 274 | 275 | 262 | 269 | 258 | 273 | 3208 |
| 08 | MEAN | 1010.1 | 1012.6 | 1011.2 | 1017.4 | 1017.1 | 1012.4 | 1010.2 | 1010.6 | 1011.7 | 1009.2 | 1008.2 | 1008.3 | 1011.6 |
| | SD | 13.664 | 13.571 | 13.805 | 11.337 | 9.202 | 7.297 | 7.027 | 7.625 | 8.770 | 10.397 | 11.295 | 12.932 | 11.207 |
| | TOT OBS | 275 | 246 | 274 | 268 | 278 | 263 | 272 | 273 | 268 | 277 | 267 | 275 | 3236 |
| 11 | MEAN | 1009.9 | 1012.6 | 1011.1 | 1017.5 | 1017.1 | 1012.2 | 1010.2 | 1010.4 | 1011.5 | 1009.2 | 1008.4 | 1008.1 | 1011.5 |
| | SD | 13.610 | 13.555 | 13.836 | 11.322 | 9.218 | 7.377 | 7.096 | 7.796 | 8.865 | 10.461 | 11.058 | 12.959 | 11.212 |
| | TOT OBS | 269 | 244 | 274 | 261 | 274 | 260 | 270 | 271 | 267 | 273 | 262 | 267 | 3192 |
| 14 | MEAN | 1009.9 | 1012.3 | 1011.2 | 1017.3 | 1016.9 | 1012.3 | 1010.2 | 1010.3 | 1011.3 | 1009.2 | 1008.2 | 1008.3 | 1011.4 |
| | SD | 13.509 | 13.586 | 13.709 | 11.305 | 9.160 | 7.418 | 7.064 | 7.680 | 8.757 | 10.366 | 11.186 | 12.985 | 11.171 |
| | TOT OBS | 277 | 244 | 272 | 266 | 276 | 264 | 268 | 268 | 267 | 274 | 265 | 267 | 3208 |
| 17 | MEAN | 1009.9 | 1012.5 | 1011.2 | 1017.4 | 1017.0 | 1012.4 | 1010.4 | 1010.6 | 1011.5 | 1009.3 | 1008.6 | 1008.4 | 1011.6 |
| | SD | 13.440 | 13.506 | 13.685 | 11.278 | 9.111 | 7.570 | 7.014 | 7.679 | 8.820 | 10.497 | 11.279 | 13.015 | 11.182 |
| | TOT OBS | 270 | 249 | 274 | 266 | 271 | 261 | 268 | 275 | 262 | 270 | 267 | 276 | 3209 |
| 20 | MEAN | 1010.1 | 1012.6 | 1011.3 | 1017.3 | 1016.9 | 1012.7 | 1010.5 | 1010.6 | 1011.5 | 1009.3 | 1008.5 | 1008.4 | 1011.6 |
| | SD | 13.554 | 13.926 | 13.724 | 11.290 | 9.230 | 7.517 | 6.901 | 7.565 | 8.763 | 10.322 | 11.402 | 13.003 | 11.204 |
| | TOT OBS | 261 | 243 | 269 | 260 | 267 | 258 | 264 | 264 | 259 | 269 | 252 | 270 | 3136 |
| 23 | MEAN | 1010.1 | 1012.4 | 1011.3 | 1017.4 | 1016.7 | 1012.5 | 1010.3 | 1010.6 | 1011.2 | 1009.1 | 1008.4 | 1008.3 | 1011.5 |
| | SD | 13.673 | 13.702 | 13.976 | 11.361 | 9.319 | 7.338 | 7.029 | 7.586 | 8.582 | 10.295 | 11.375 | 13.102 | 11.222 |
| | TOT OBS | 272 | 241 | 268 | 262 | 271 | 260 | 273 | 270 | 265 | 265 | 265 | 274 | 3186 |
| ALL | MEAN | 1010.0 | 1012.5 | 1011.1 | 1017.3 | 1017.0 | 1012.4 | 1010.3 | 1010.4 | 1011.5 | 1009.2 | 1008.3 | 1008.3 | 1011.5 |
| | SD | 13.569 | 13.658 | 13.815 | 11.281 | 9.226 | 7.391 | 7.003 | 7.651 | 8.723 | 10.365 | 11.254 | 12.974 | 11.208 |
| | TOT OBS | 2167 | 1960 | 2183 | 2118 | 2181 | 2093 | 2164 | 2171 | 2119 | 2165 | 2103 | 2177 | 25601 |

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